FIG. 1

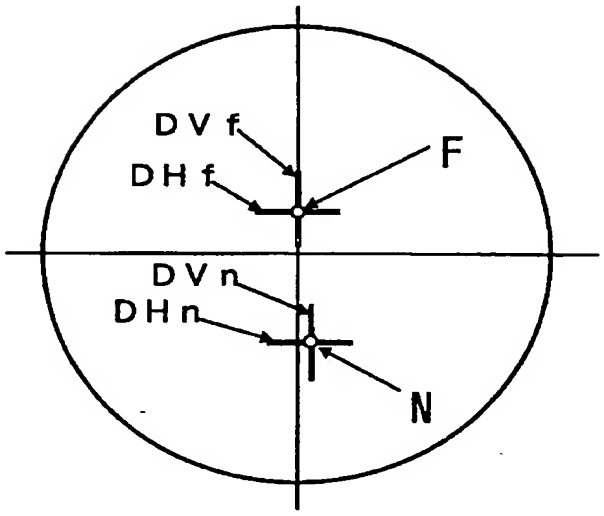


FIG. 2

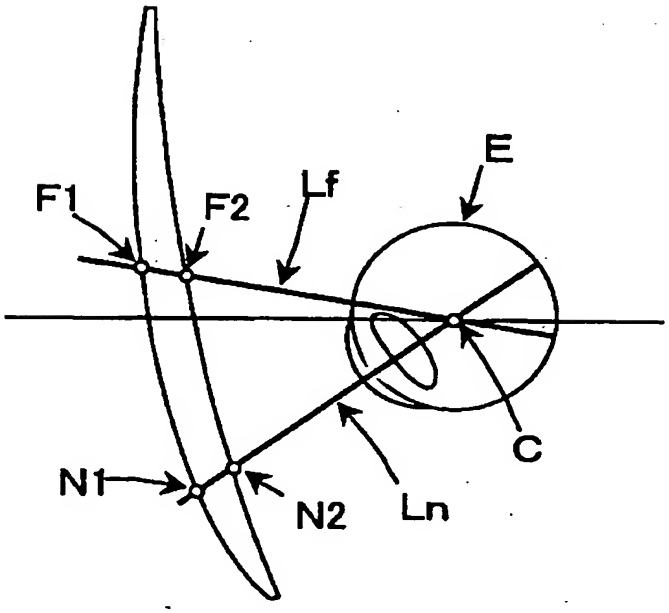


FIG. 3-1

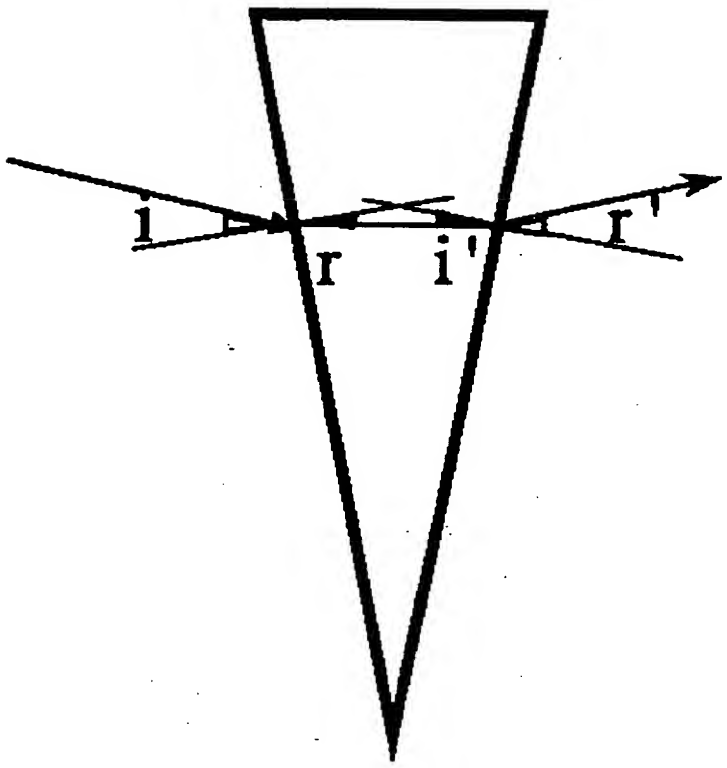


FIG. 3-2

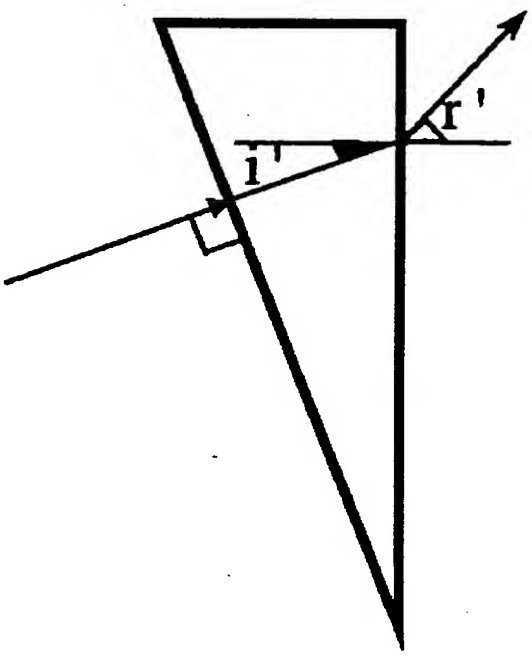


FIG. 3-3

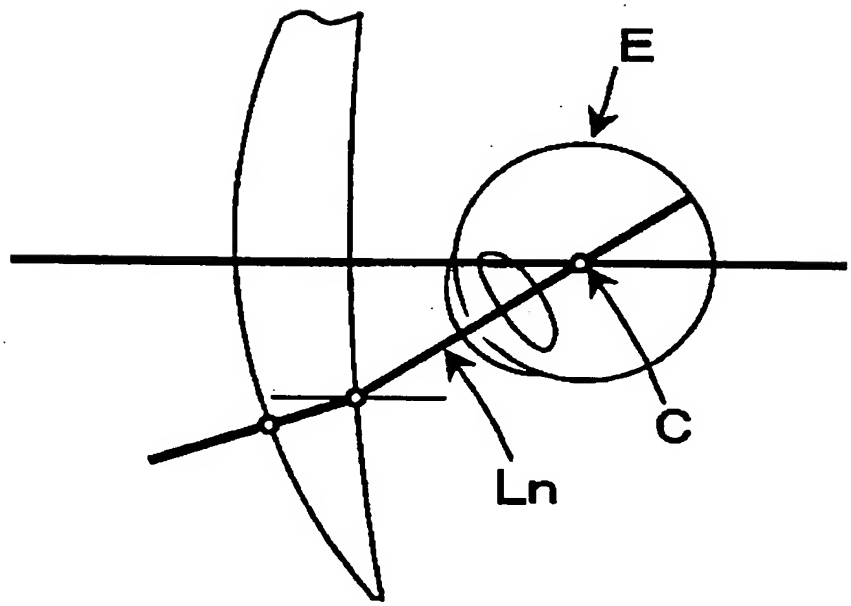


FIG. 4-1

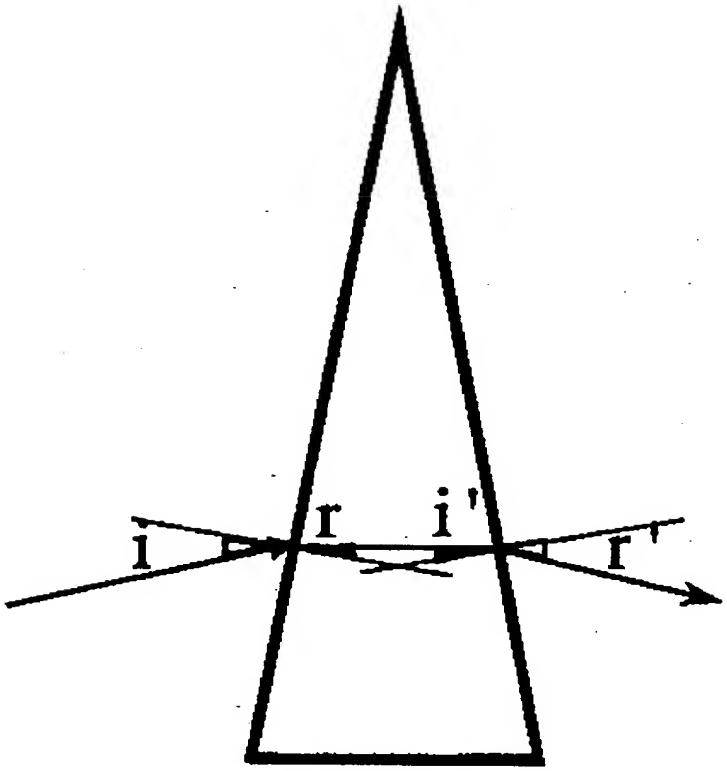


FIG. 4-2

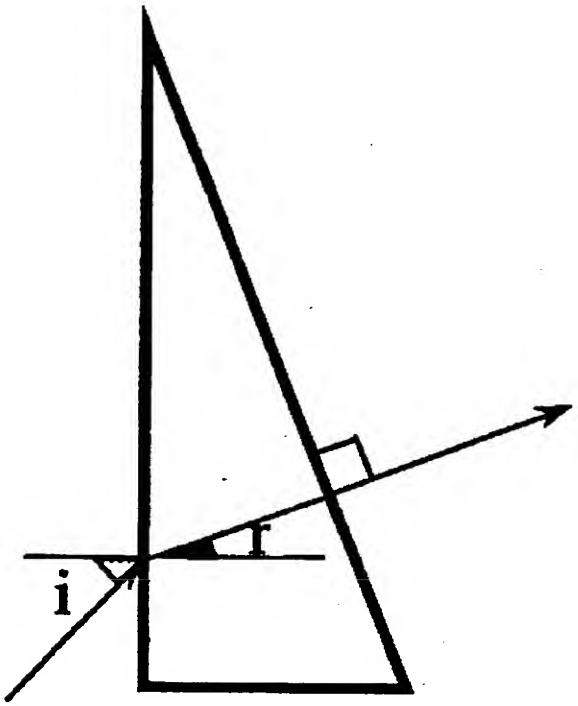


FIG. 4-3

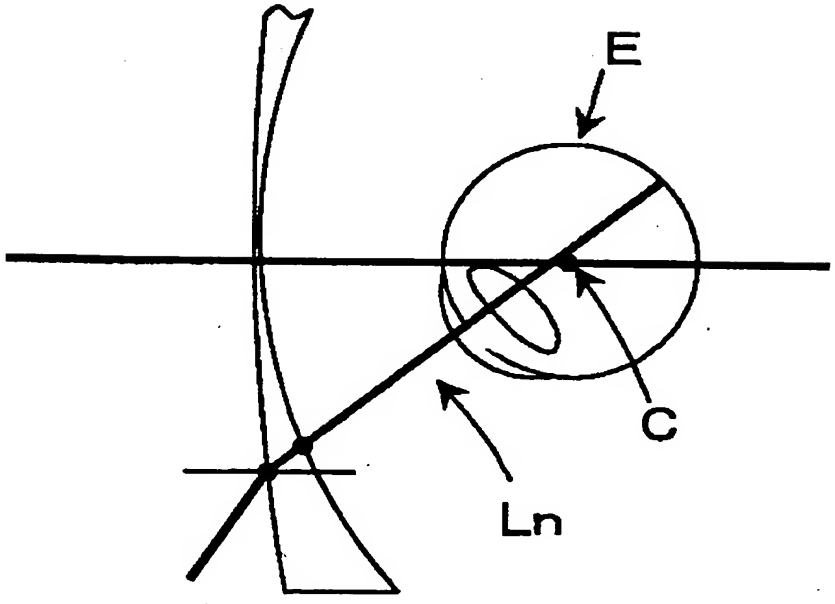


FIG. 5-1

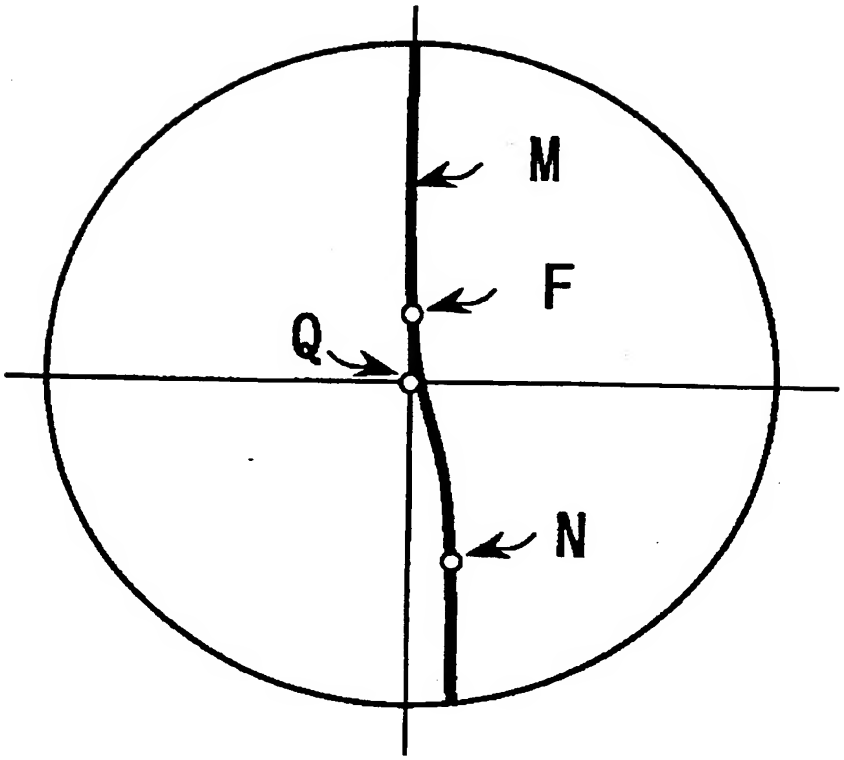


FIG. 5-2

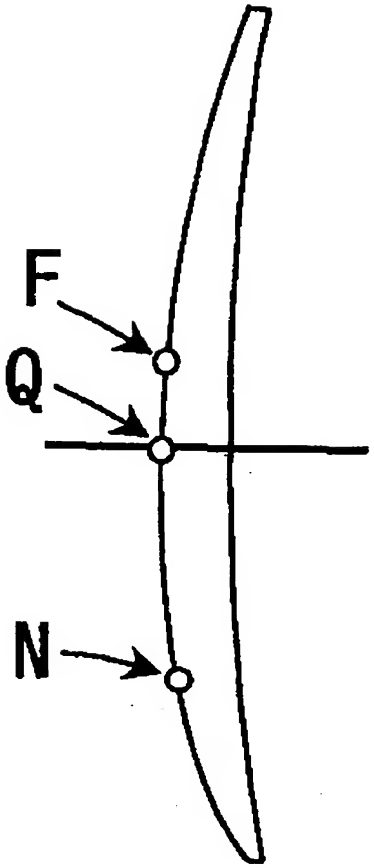


FIG. 5-3

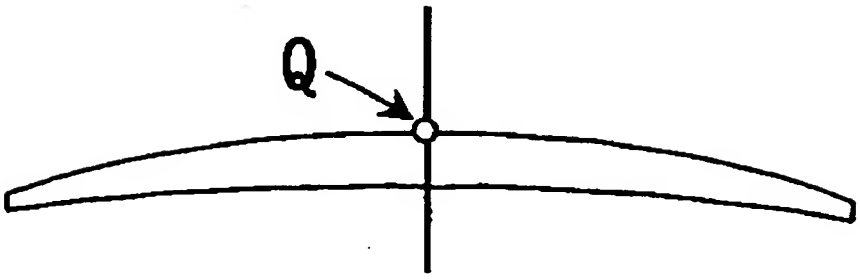


FIG. 6

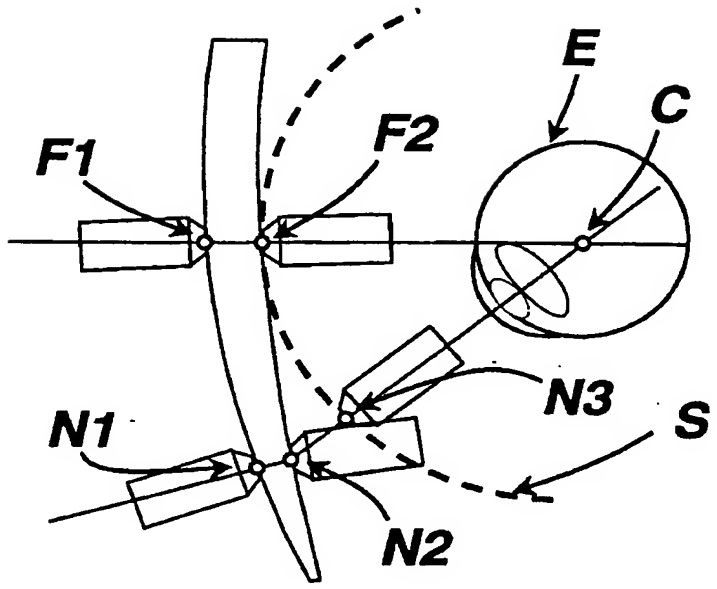


TABLE 1-1	DVf1	DHf1	DVn1	DHn1	DVf2	DHf2	DVn2	DHn2
PRIOR ART EXAMPLE A (CONVEX SURFACE PROGRESSION)	4.00	4.00	7.00	7.00	4.00	4.00	4.00	4.00
PRIOR ART EXAMPLE B (DOUBLE SURFACE PROGRESSION)	4.75	4.75	6.25	6.25	4.75	4.75	3.25	3.25
PRIOR ART EXAMPLE C (CONCAVE SURFACE PROGRESSION)	5.50	5.50	5.50	5.50	5.50	5.50	2.50	2.50
EXAMPLE 1	4.75	4.75	7.75	4.75	4.75	4.75	4.75	1.75
EXAMPLE 4	5.50	4.00	8.50	4.00	5.50	4.00	5.50	1.00
EXAMPLE 5	6.25	6.25	6.25	3.25	6.25	6.25	3.25	0.25
EXAMPLE 6	6.50	4.50	6.50	4.50	6.50	4.50	3.50	1.50

TABLE 1-2	SMVf	SMVn	SMVfn	SMHf	SMHn	SMHfn
PRIOR ART EXAMPLE A (CONVEX SURFACE PROGRESSION)	1.0087	1.1467	0.1380	1.0077	1.1092	0.1015
PRIOR ART EXAMPLE B (DOUBLE SURFACE PROGRESSION)	1.0104	1.1464	0.1360	1.0092	1.1080	0.0988
PRIOR ART EXAMPLE C (CONCAVE SURFACE PROGRESSION)	1.0120	1.1462	0.1342	1.0107	1.1068	0.0961
EXAMPLE 1	1.0104	1.1446	0.1342	1.0092	1.1046	0.0954
EXAMPLE 4	1.0120	1.1428	0.1308	1.0076	1.1028	0.0952
EXAMPLE 5	1.0137	1.1438	0.1301	1.0123	1.1024	0.0901
EXAMPLE 6	1.0143	1.1431	0.1288	1.0086	1.1042	0.0956

FIG. 7

TABLE 2-1	DVf1	DHf1	DVn1	DHn1	DVf2	DHf2	DVn2	DHn2
PRIOR ART EXAMPLE A (CONVEX SURFACE PROGRESSION)	9.00	9.00	12.00	12.00	3.00	3.00	3.00	3.00
PRIOR ART EXAMPLE B (DOUBLE SURFACE PROGRESSION)	9.75	9.75	11.25	11.25	3.75	3.75	2.25	2.25
PRIOR ART EXAMPLE C (CONCAVE SURFACE PROGRESSION)	10.50	10.50	10.50	10.50	4.50	4.50	1.50	1.50
EXAMPLE 2	9.75	9.75	12.75	9.75	3.75	3.75	3.75	0.75
EXAMPLE 7	9.00	9.00	15.00	9.00	3.00	3.00	6.00	0.00

TABLE 2-2	SMVf	SMVn	SMVfn	SMHf	SMHn	SMHfn
PRIOR ART EXAMPLE A (CONVEX SURFACE PROGRESSION)	1.1661	1.3936	0.2275	1.1452	1.2777	0.1325
PRIOR ART EXAMPLE B (DOUBLE SURFACE PROGRESSION)	1.1684	1.3961	0.2277	1.1487	1.2755	0.1268
PRIOR ART EXAMPLE C (CONCAVE SURFACE PROGRESSION)	1.1709	1.3989	0.2280	1.1523	1.2733	0.1210
EXAMPLE 2	1.1683	1.3834	0.2151	1.1486	1.2685	0.1199
EXAMPLE 7	1.1658	1.3724	0.2066	1.1451	1.2639	0.1188

FIG. 8

FIG. 9

TABLE 3-1	DVf1	DHf1	DVn1	DHn1	DVf2	DHf2	DVn2	DHn2
PRIOR ART EXAMPLE A (CONVEX SURFACE PROGRESSION)	1.00	1.00	4.00	4.00	7.00	7.00	7.00	7.00
PRIOR ART EXAMPLE B (DOUBLE SURFACE PROGRESSION)	1.75	1.75	3.25	3.25	7.75	7.75	6.25	6.25
PRIOR ART EXAMPLE C (CONCAVE SURFACE PROGRESSION)	2.50	2.50	2.50	2.50	8.50	8.50	5.50	6.50
EXAMPLE 3	1.75	1.75	4.75	1.75	7.75	7.75	7.75	4.75

TABLE 3-2	SMVf	SMVn	SMVfn	SMHf	SMHn	SMHfn
PRIOR ART EXAMPLE A (CONVEX SURFACE PROGRESSION)	0.8953	0.9428	0.0475	0.9140	0.9914	0.0774
PRIOR ART EXAMPLE B (DOUBLE SURFACE PROGRESSION)	0.8973	0.9391	0.0418	0.9149	0.9899	0.0750
PRIOR ART EXAMPLE C (CONCAVE SURFACE PROGRESSION)	0.8991	0.9354	0.0363	0.9157	0.9884	0.0727
EXAMPLE 3	0.8973	0.9485	0.0512	0.9149	0.9875	0.0726

FIG. 10

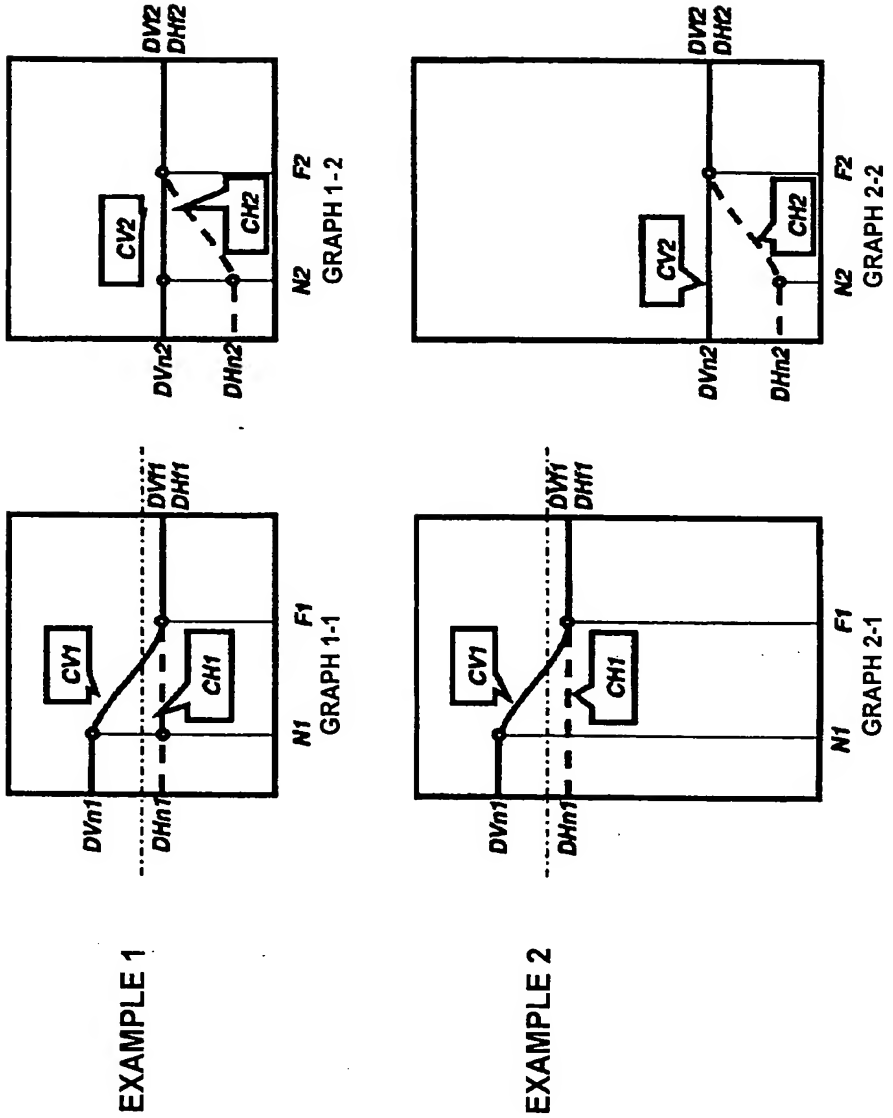
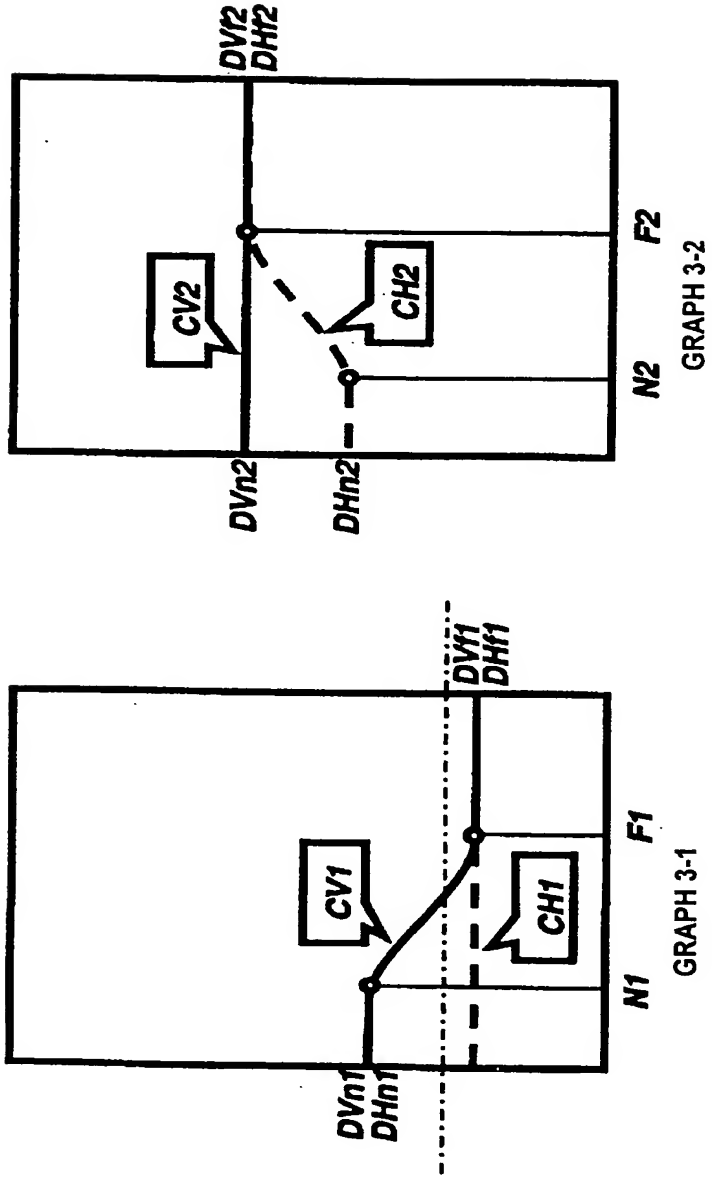

EXAMPLE 1
EXAMPLE 2
GRAPH 1-1
GRAPH 1-2
GRAPH 2-1
GRAPH 2-2
CV1
CH1
CV2
CH2
DVn1
DHn1
DVn2
DHn2
DVf1
DHf1
DVf2
DHf2
N1
N2
F1
F2

FIG. 11



EXAMPLE 3

FIG. 12

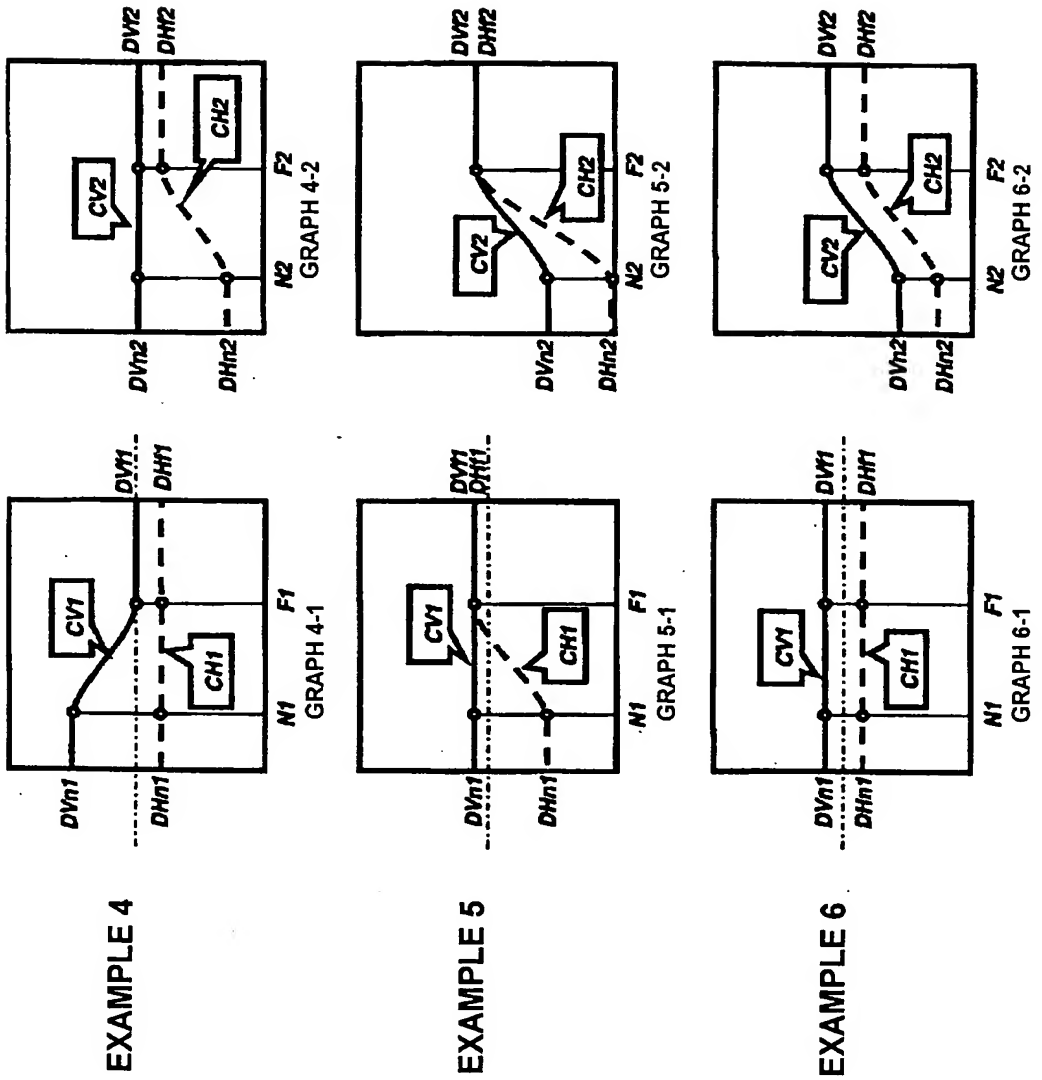

EXAMPLE 4
EXAMPLE 5
EXAMPLE 6
GRAPH 4-1
GRAPH 4-2
GRAPH 5-1
GRAPH 5-2
GRAPH 6-1
GRAPH 6-2
CV1
CH1
CV2
CH2
DVn1
DHn1
DVn2
DHn2
DV1
DH1
DV2
DH2
N1
N2
F1
F2

FIG. 13

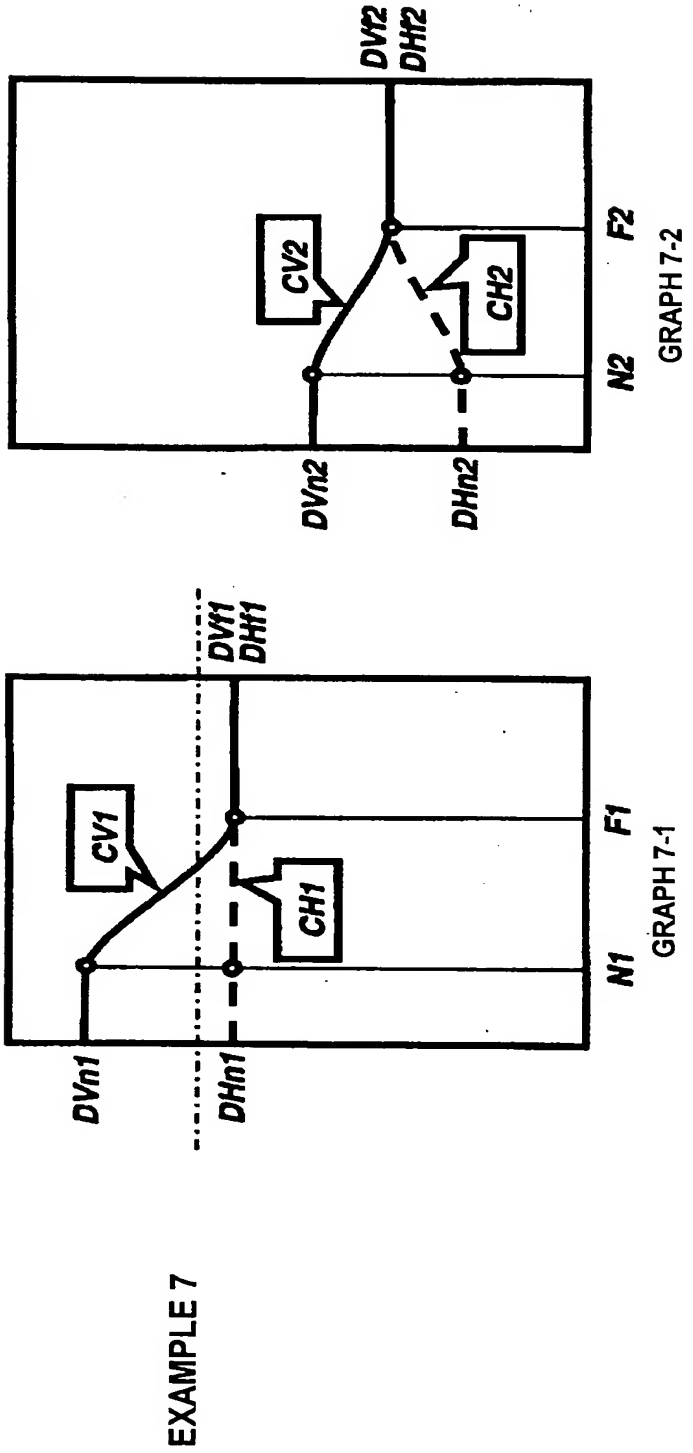

DVf2
DHf2
CV2
CH2
F2
N2
DVn2
DHn2
GRAPH 7-2
DVf1
DHf1
CV1
CH1
F1
N1
DVn1
DHn1
GRAPH 7-1
EXAMPLE 7

FIG. 14

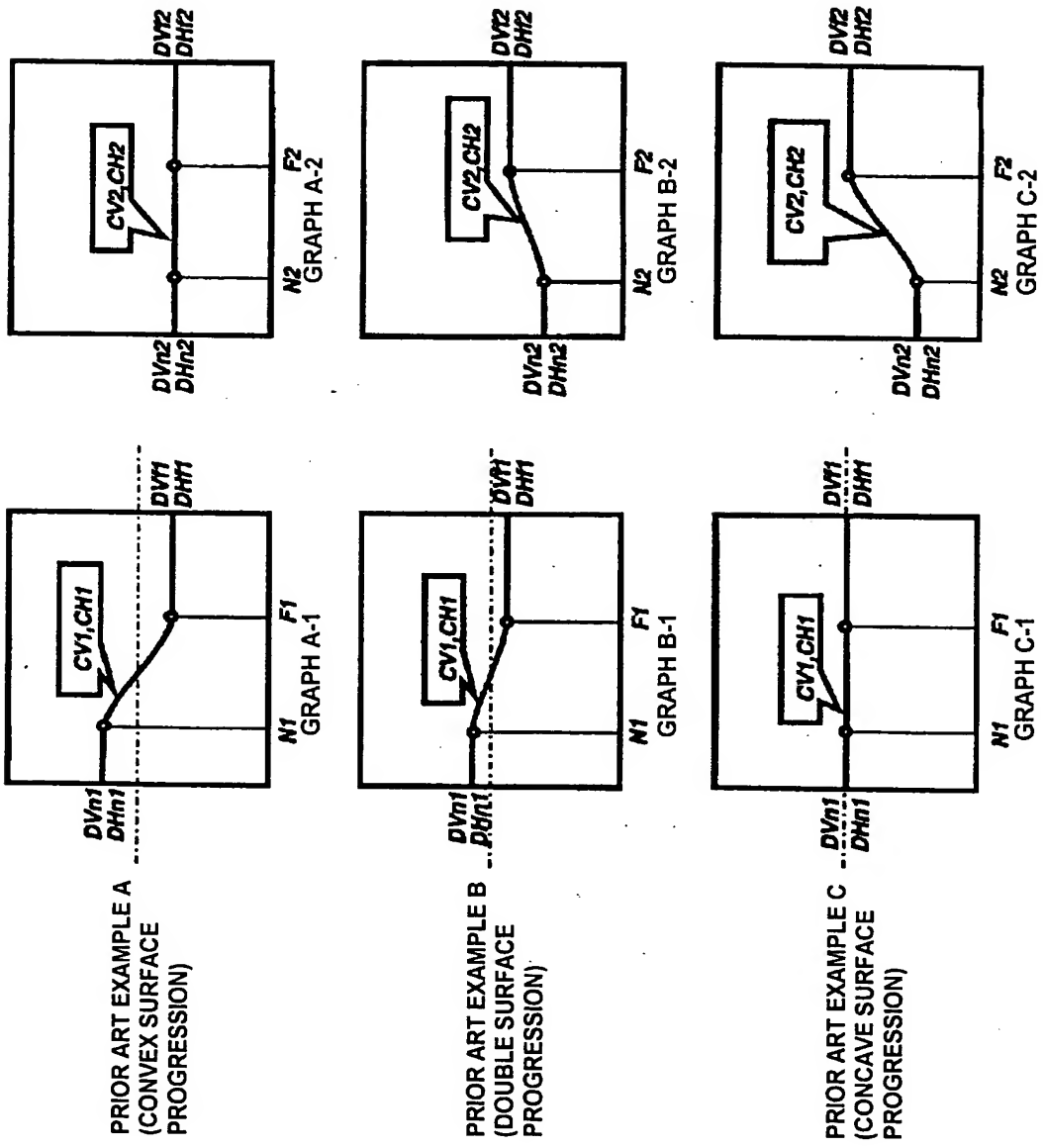

PRIOR ART EXAMPLE A
(CONVEX SURFACE
PROGRESSION)
PRIOR ART EXAMPLE B
(DOUBLE SURFACE
PROGRESSION)
PRIOR ART EXAMPLE C
(CONCAVE SURFACE
PROGRESSION)
CV1,CH1
CV2,CH2
DVn1
DHn1
DVn2
DHn2
DVf1
DHf1
DVf2
DHf2
N1
N2
F1
F2
GRAPH A-1
GRAPH A-2
GRAPH B-1
GRAPH B-2
GRAPH C-1
GRAPH C-2

FIG. 15

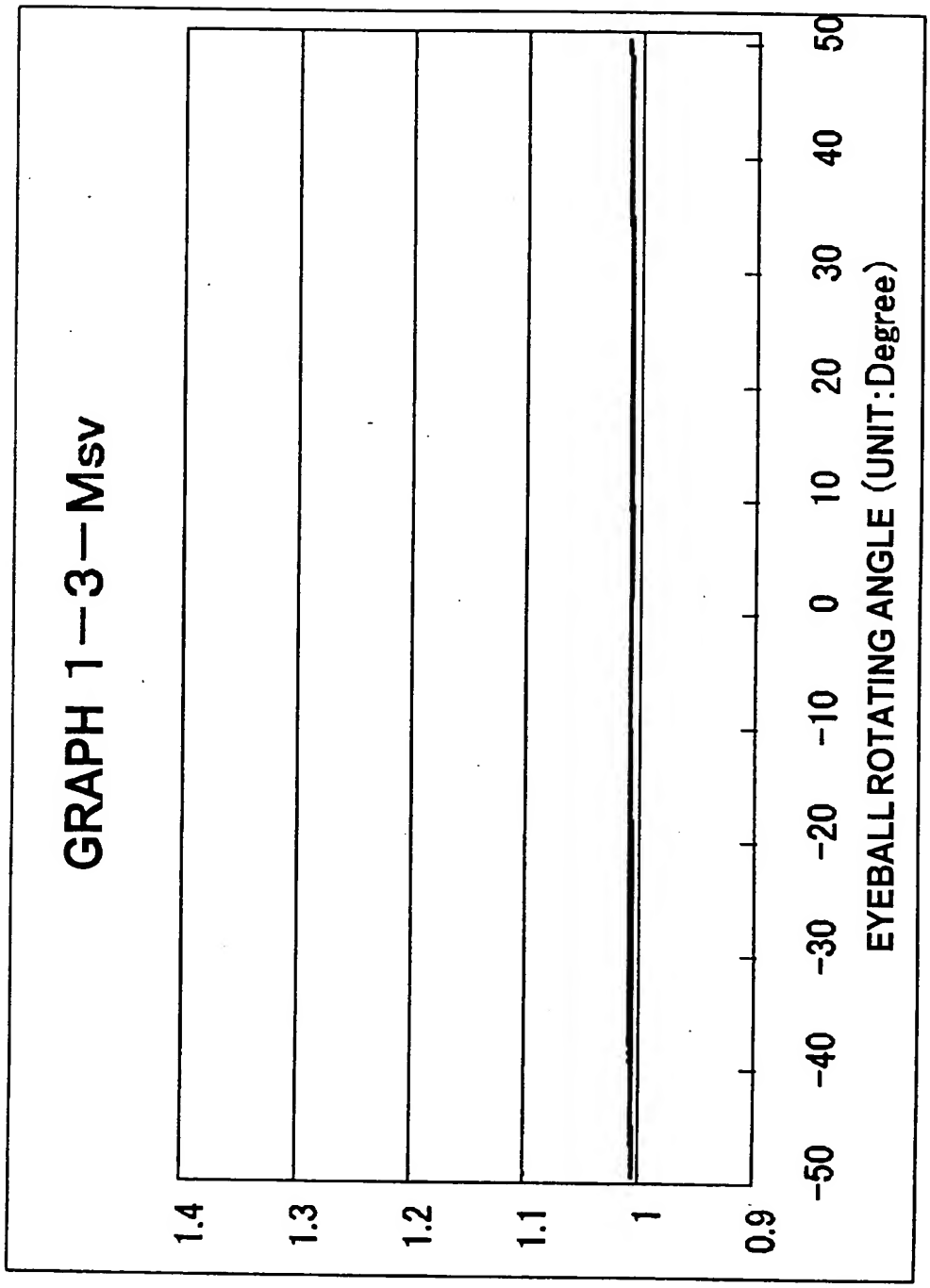

GRAPH 1—3—Msv
1.4
1.3
1.2
1.1
1
0.9
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 16

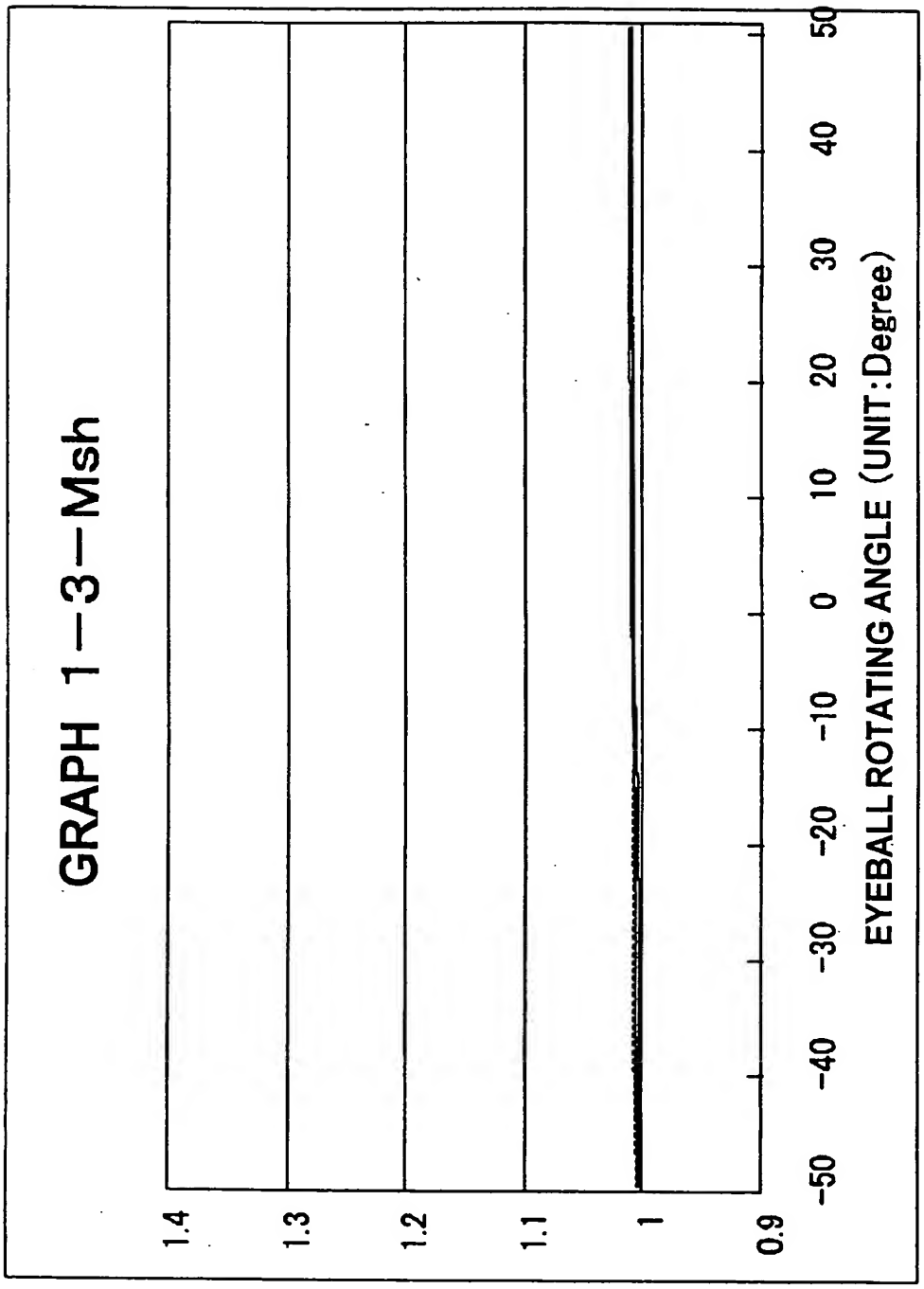

GRAPH 1-3-Msh
1.4
1.3
1.2
1.1
1
0.9
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 17

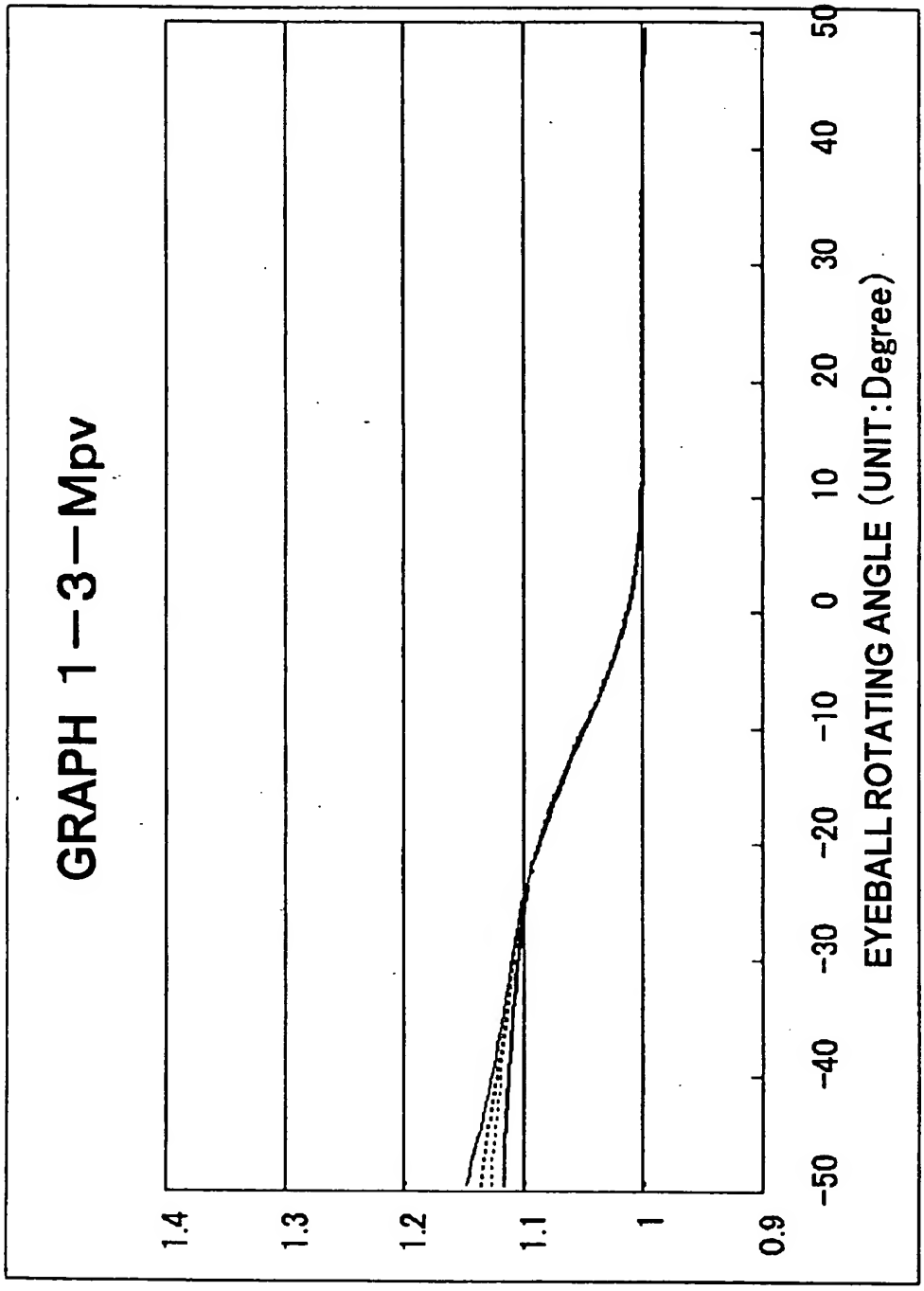

GRAPH 1−3−Mpv
1.4
1.3
1.2
1.1
1
0.9
−50
−40
−30
−20
−10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 18

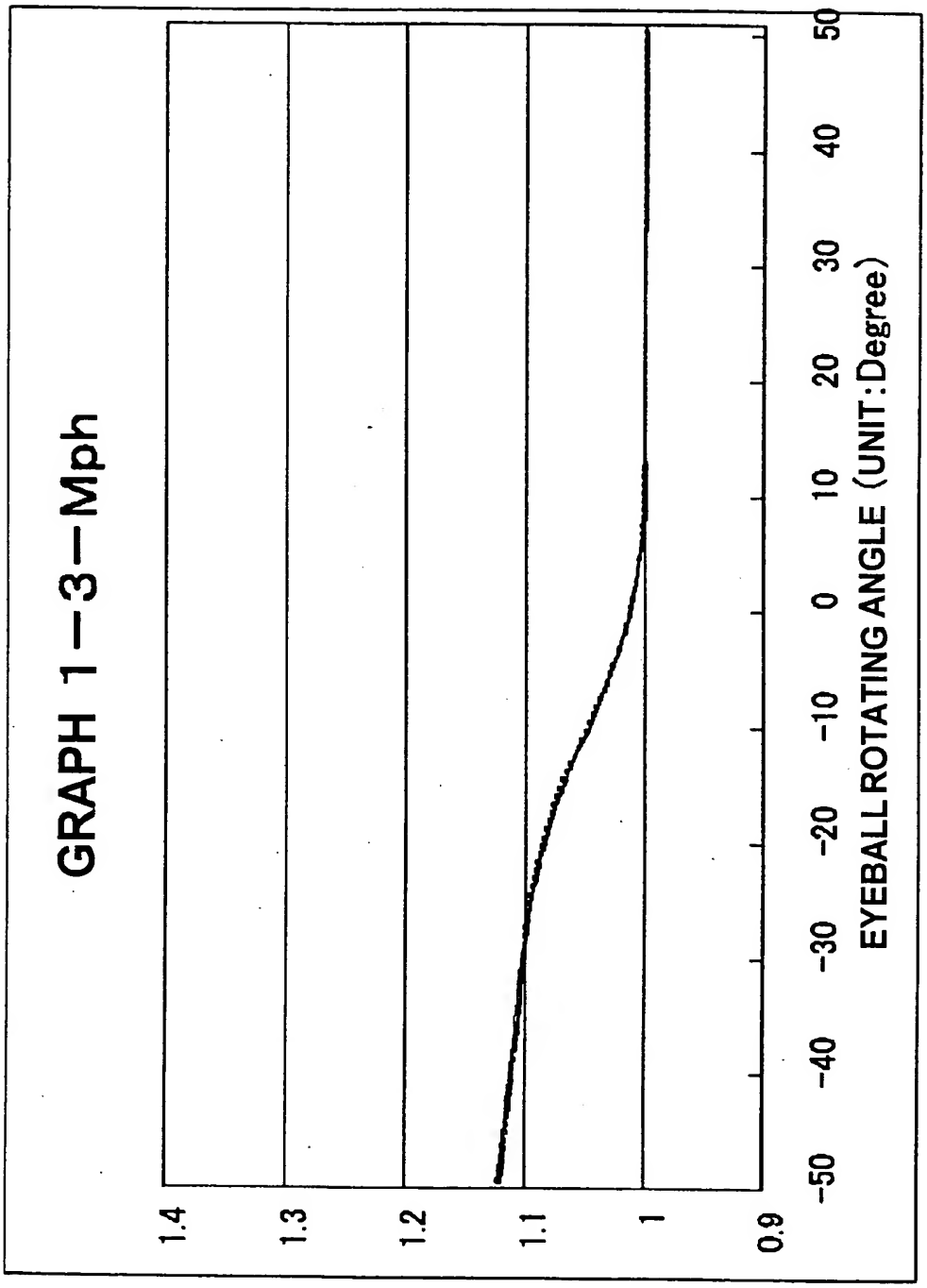

GRAPH 1-3-Mph
1.4
1.3
1.2
1.1
1
0.9
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 19

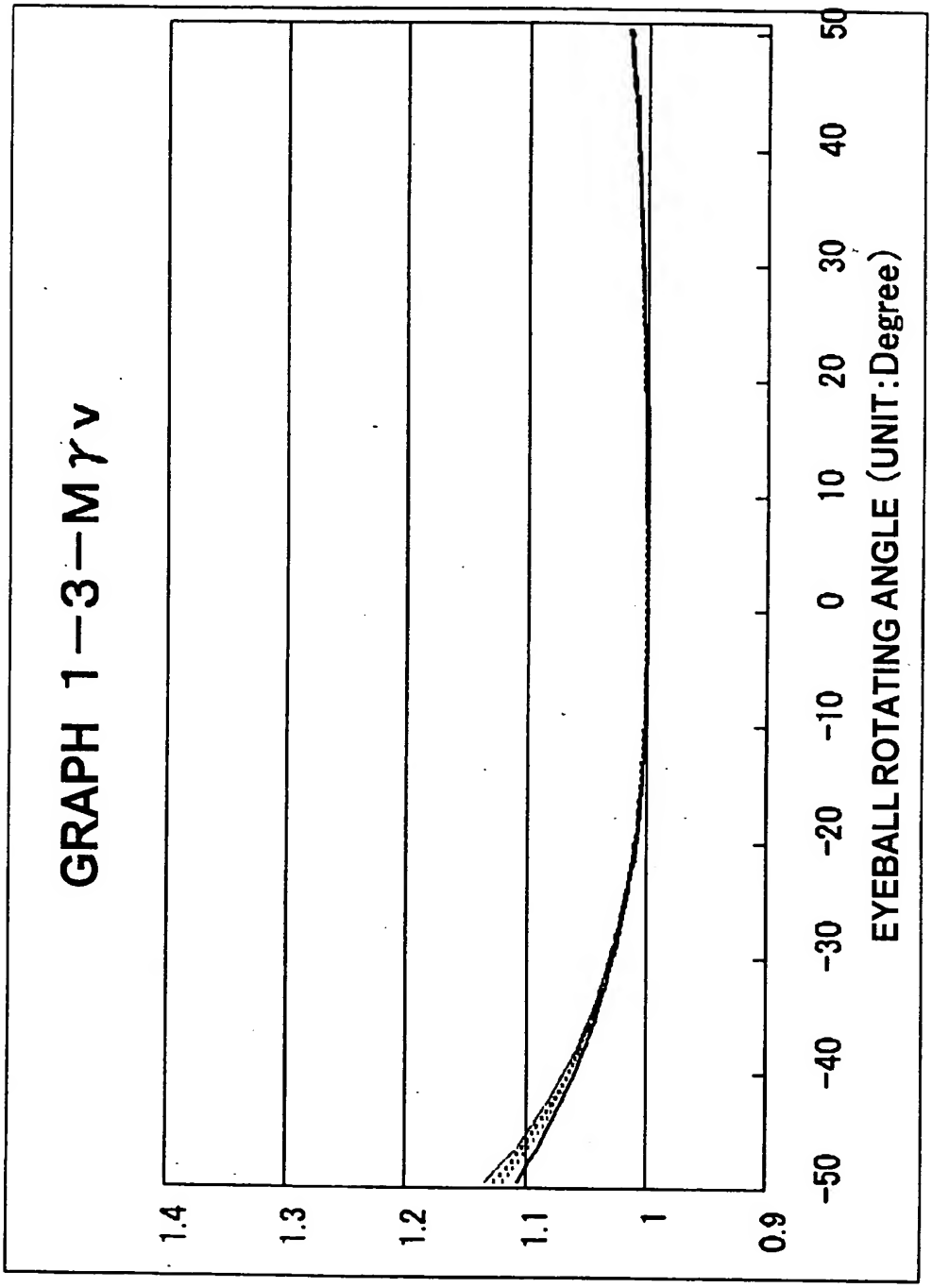

GRAPH 1-3-Mγv
1.4
1.3
1.2
1.1
1
0.9
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 20

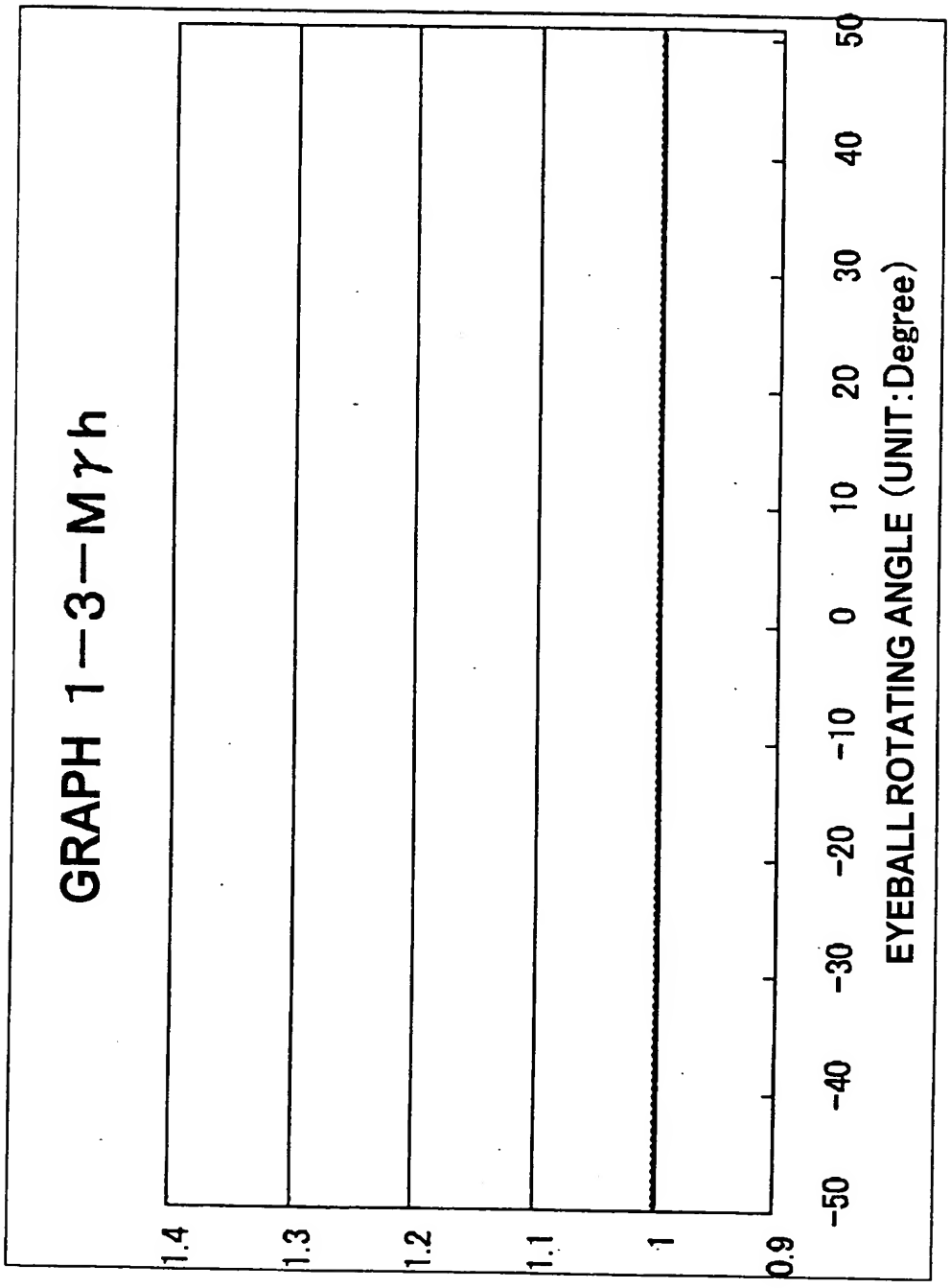

GRAPH 1-3-Mγh
1.4
1.3
1.2
1.1
1
0.9
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 21

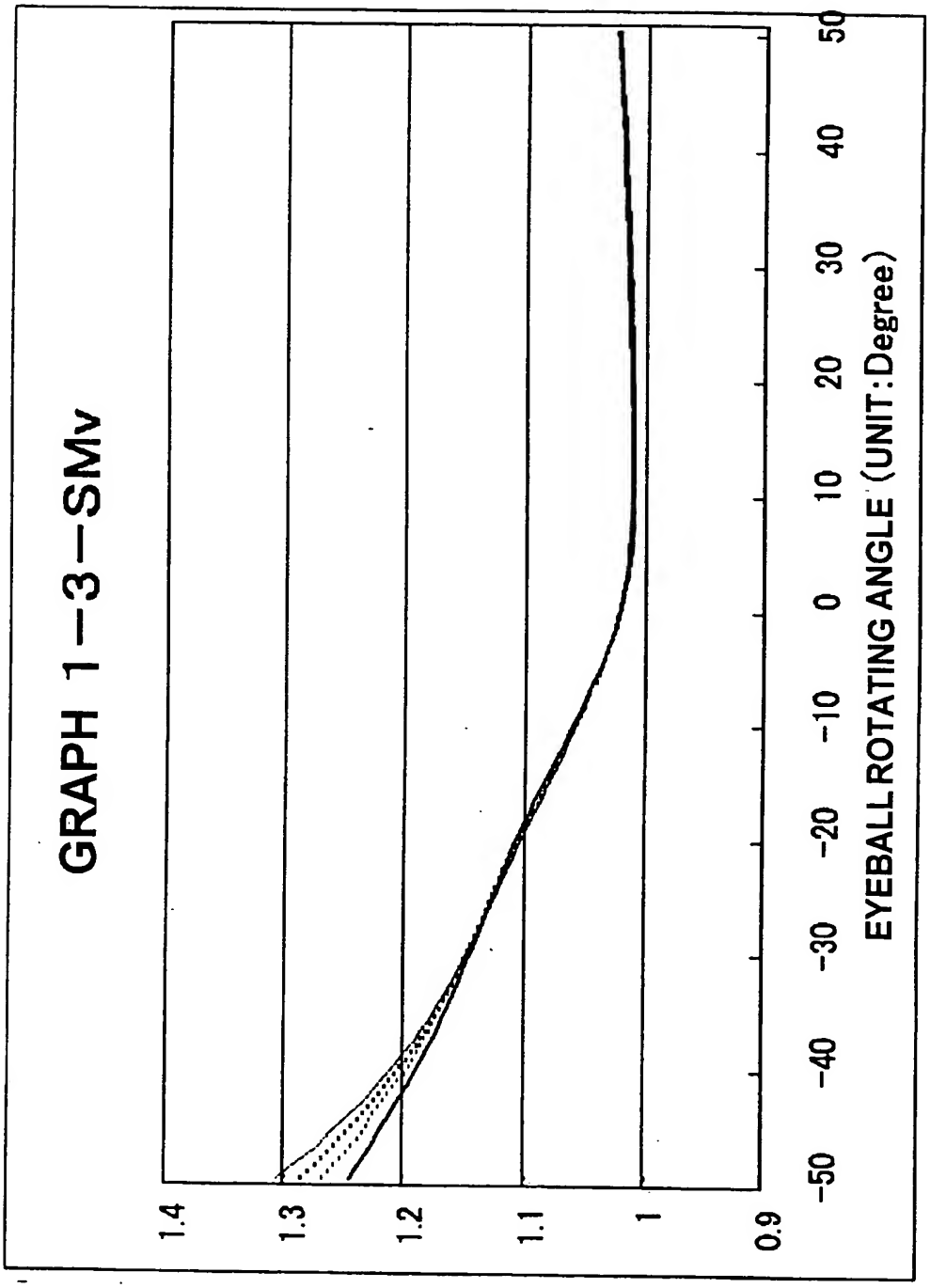

GRAPH 1−3−SMv
1.4
1.3
1.2
1.1
1
0.9
−50
−40
−30
−20
−10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 22

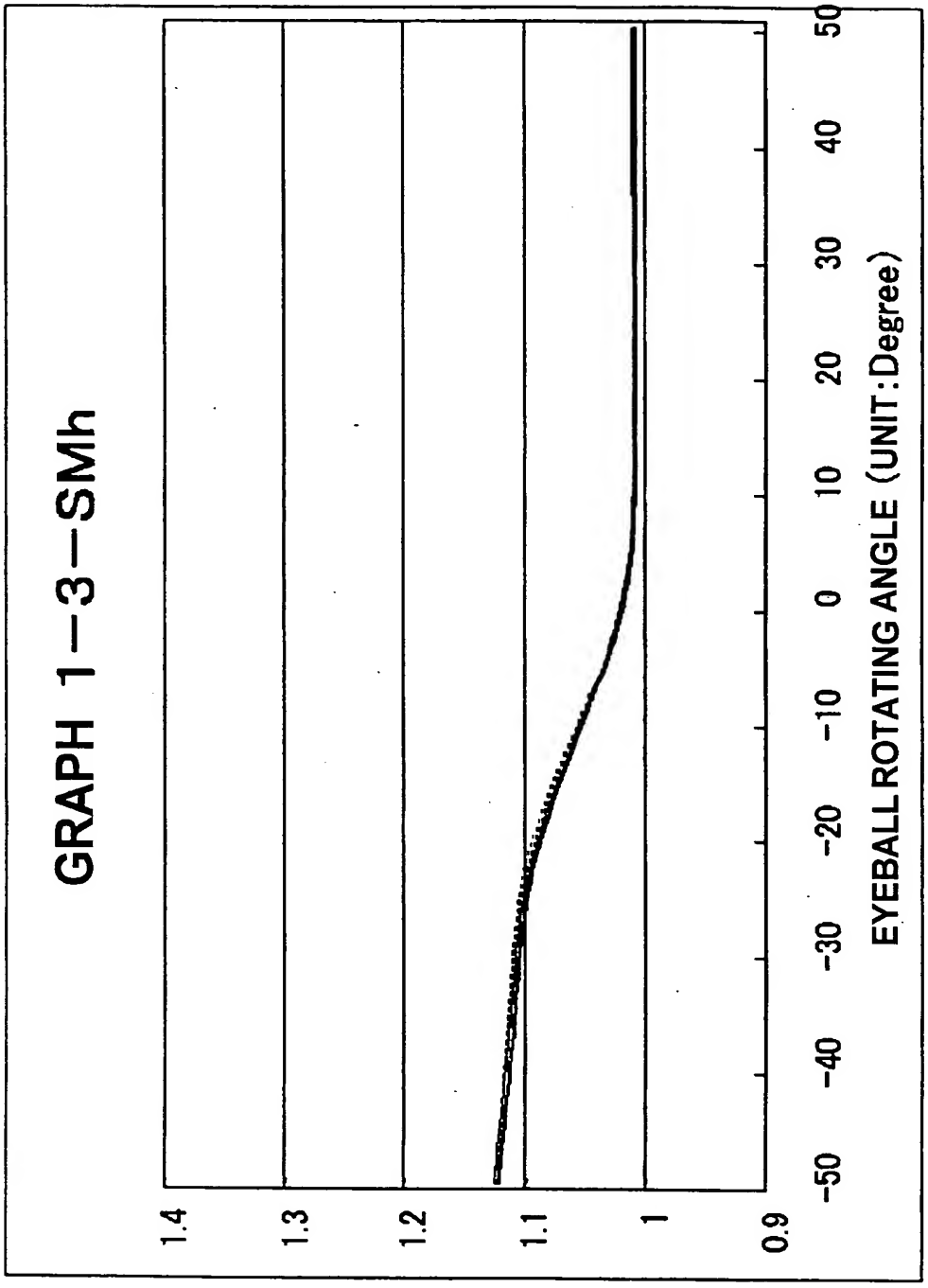

GRAPH 1-3-SMh
1.4
1.3
1.2
1.1
1
0.9
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 23

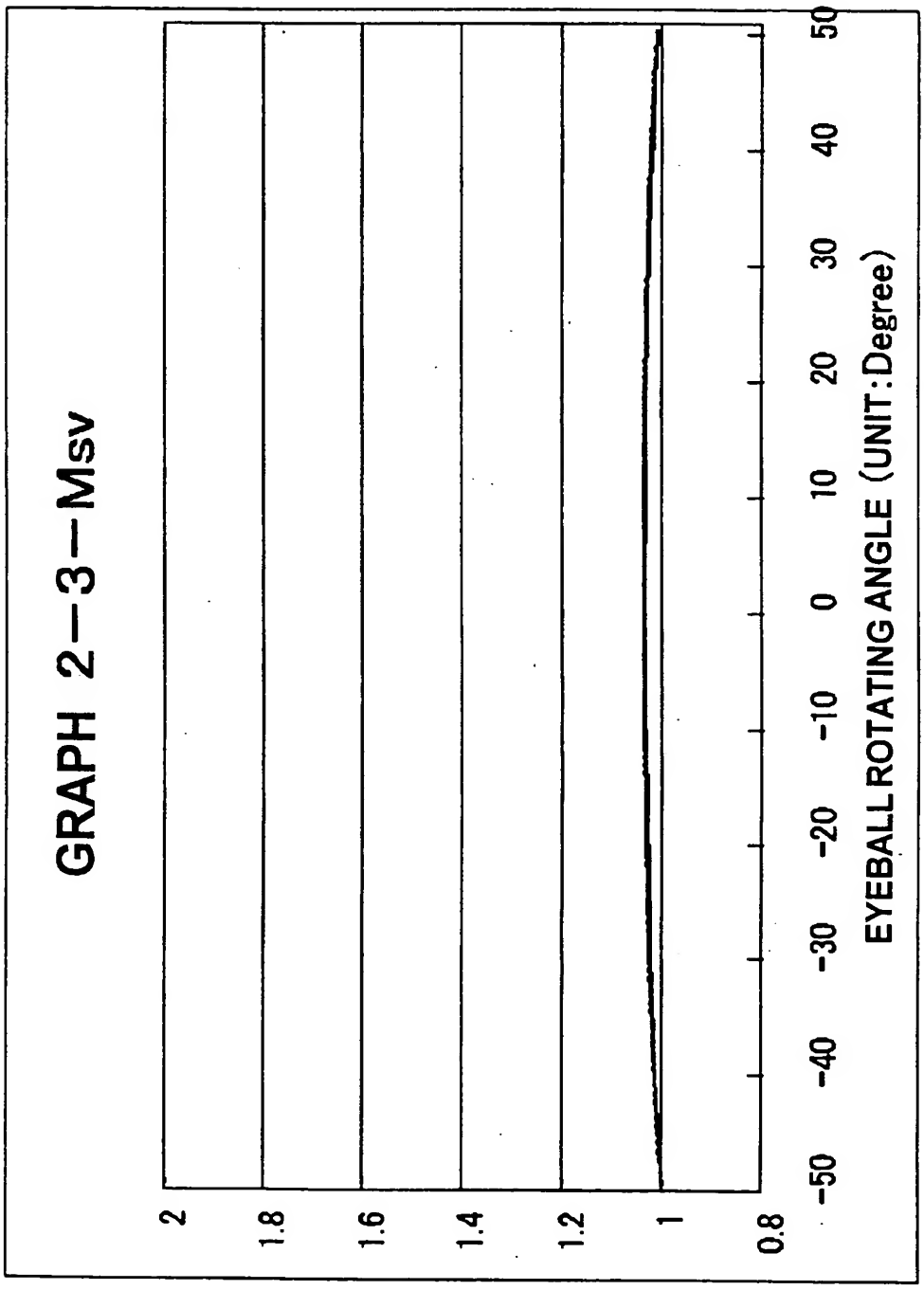

GRAPH 2-3-Msv
2
1.8
1.6
1.4
1.2
1
0.8
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 24

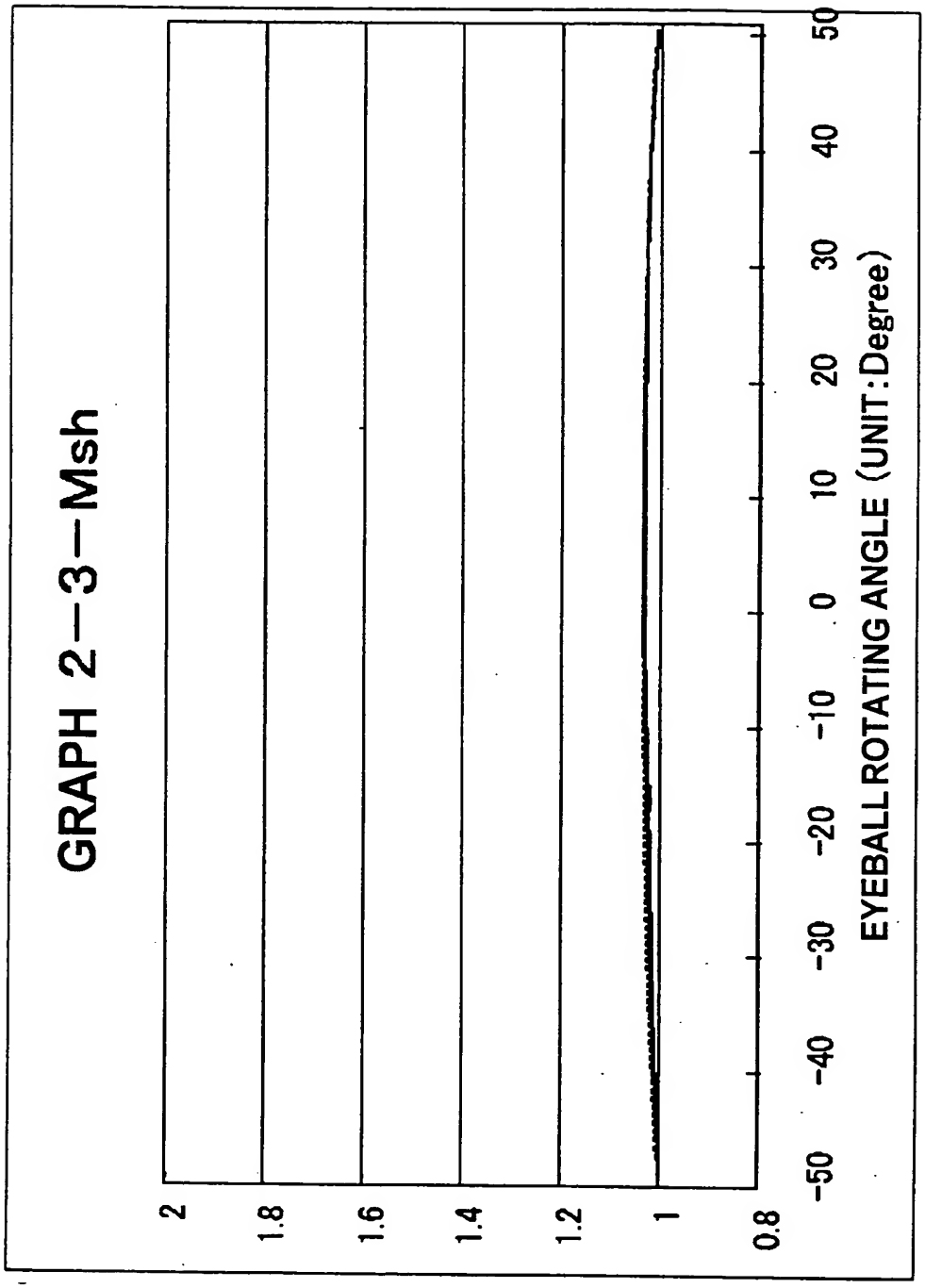

GRAPH 2-3-Msh
2
1.8
1.6
1.4
1.2
1
0.8
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 25

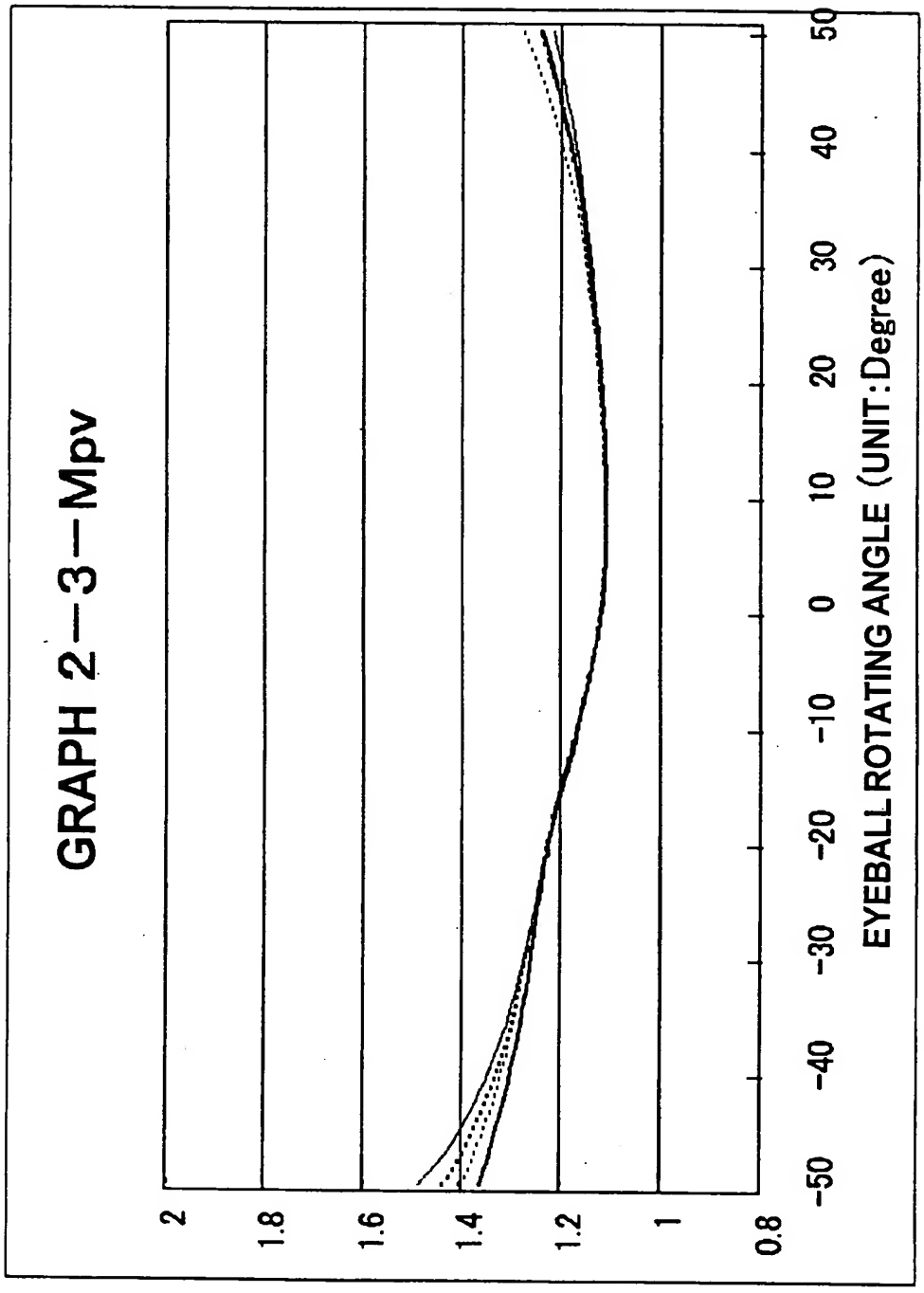

GRAPH 2-3-Mpv
2
1.8
1.6
1.4
1.2
1
0.8
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 26

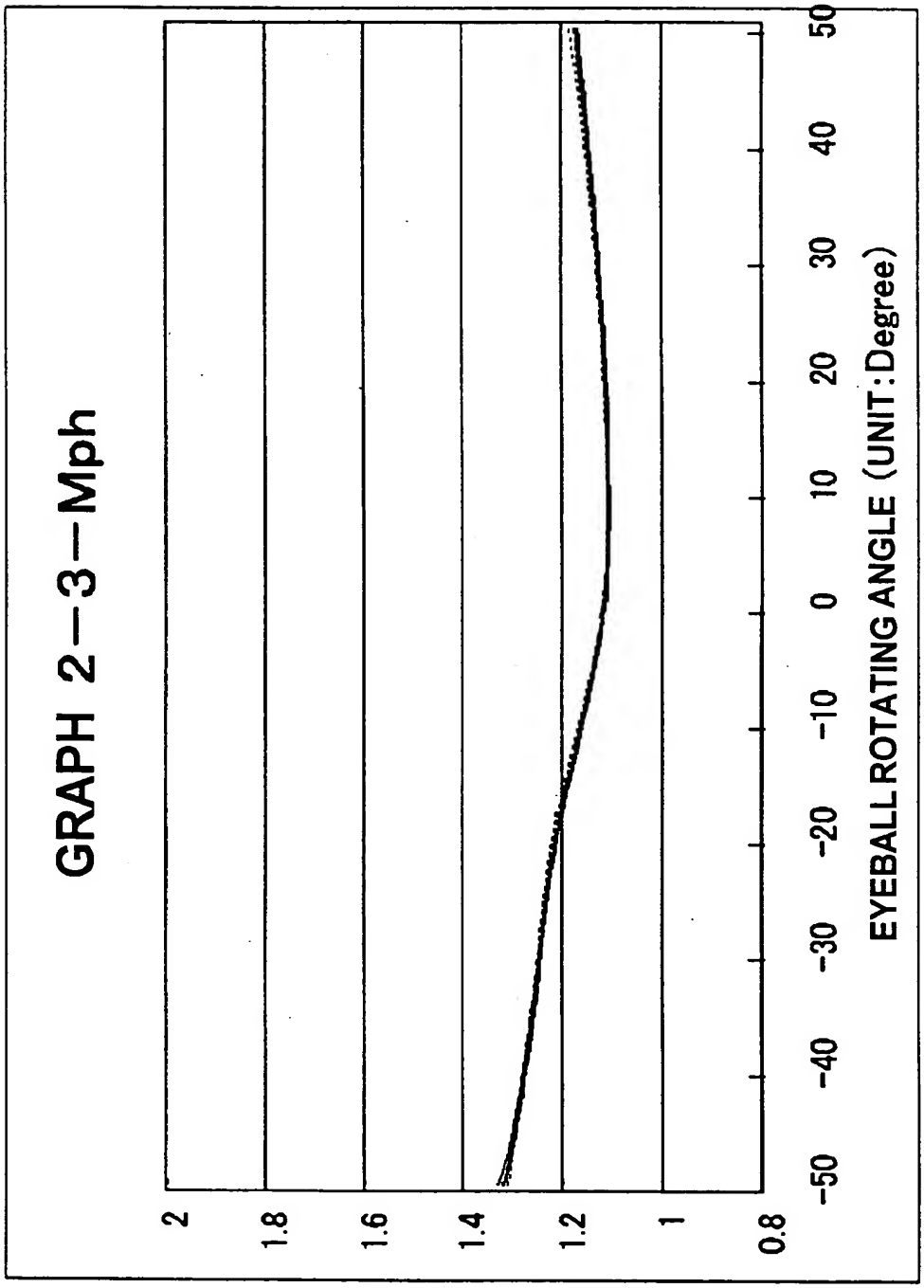

GRAPH 2-3-Mph
2
1.8
1.6
1.4
1.2
1
0.8
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 27

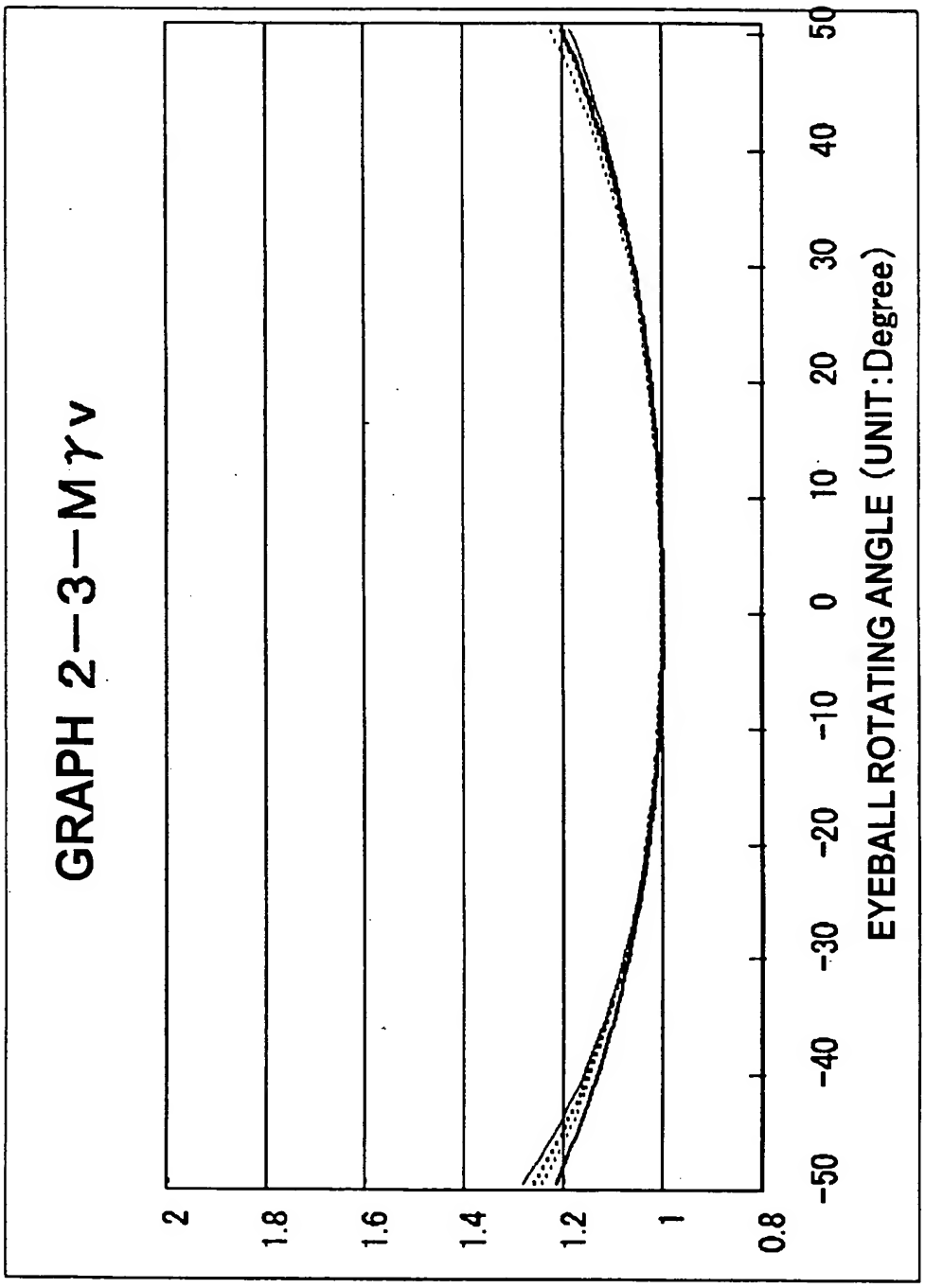

GRAPH 2-3-Mγv
2
1.8
1.6
1.4
1.2
1
0.8
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 28

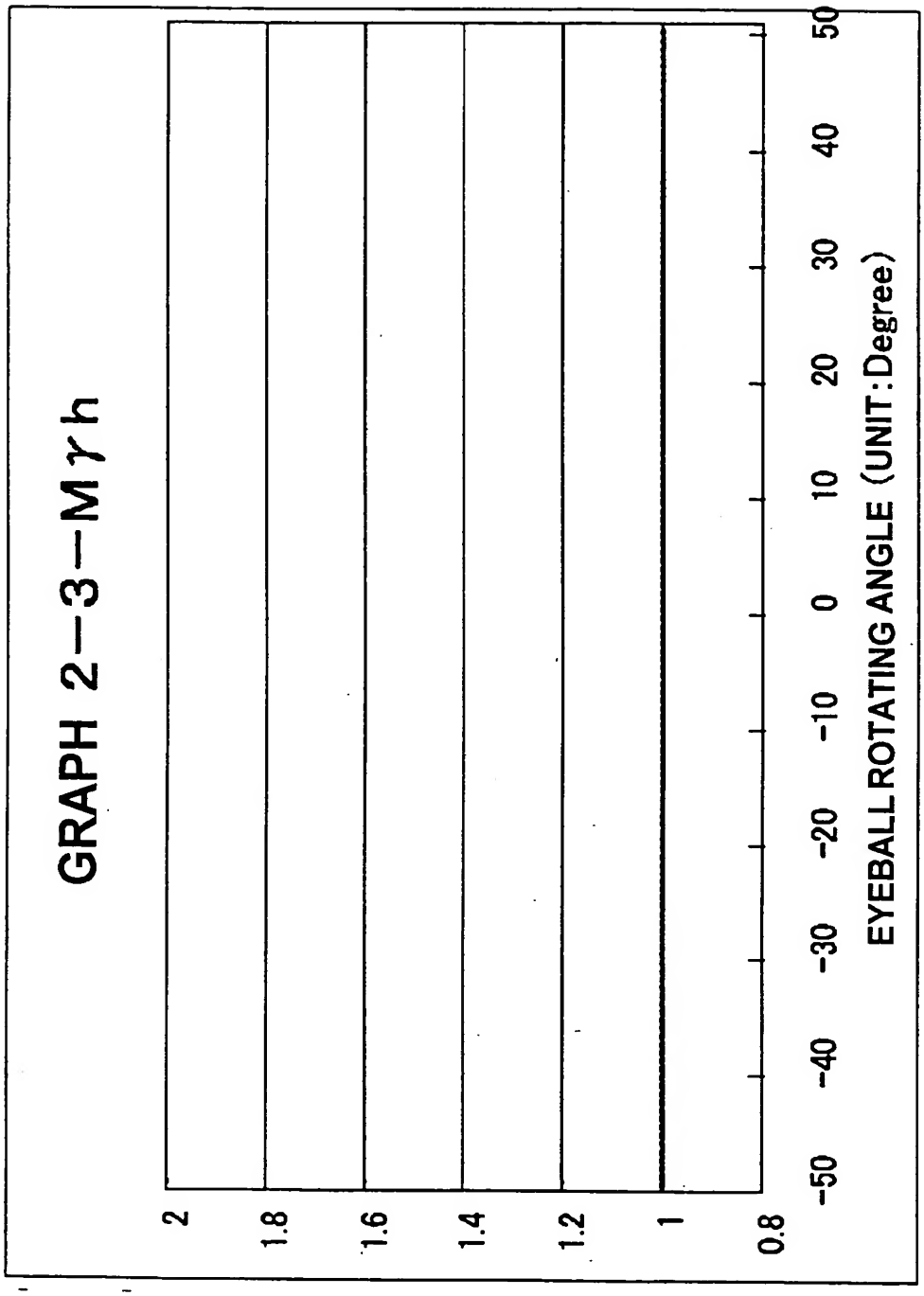

GRAPH 2-3-Mγh
2
1.8
1.6
1.4
1.2
1
0.8
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 29

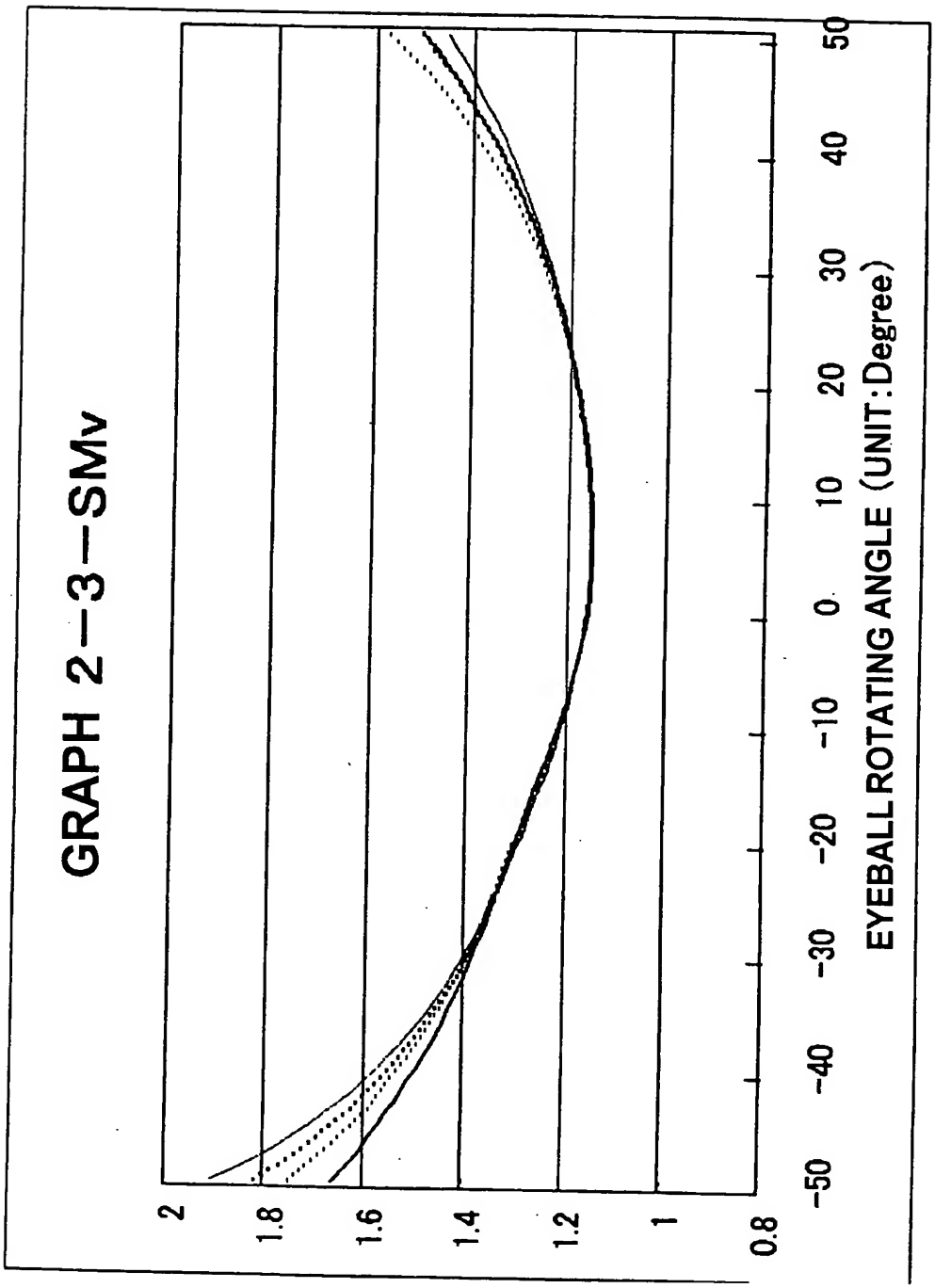

GRAPH 2-3-SMv
2
1.8
1.6
1.4
1.2
1
0.8
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 30

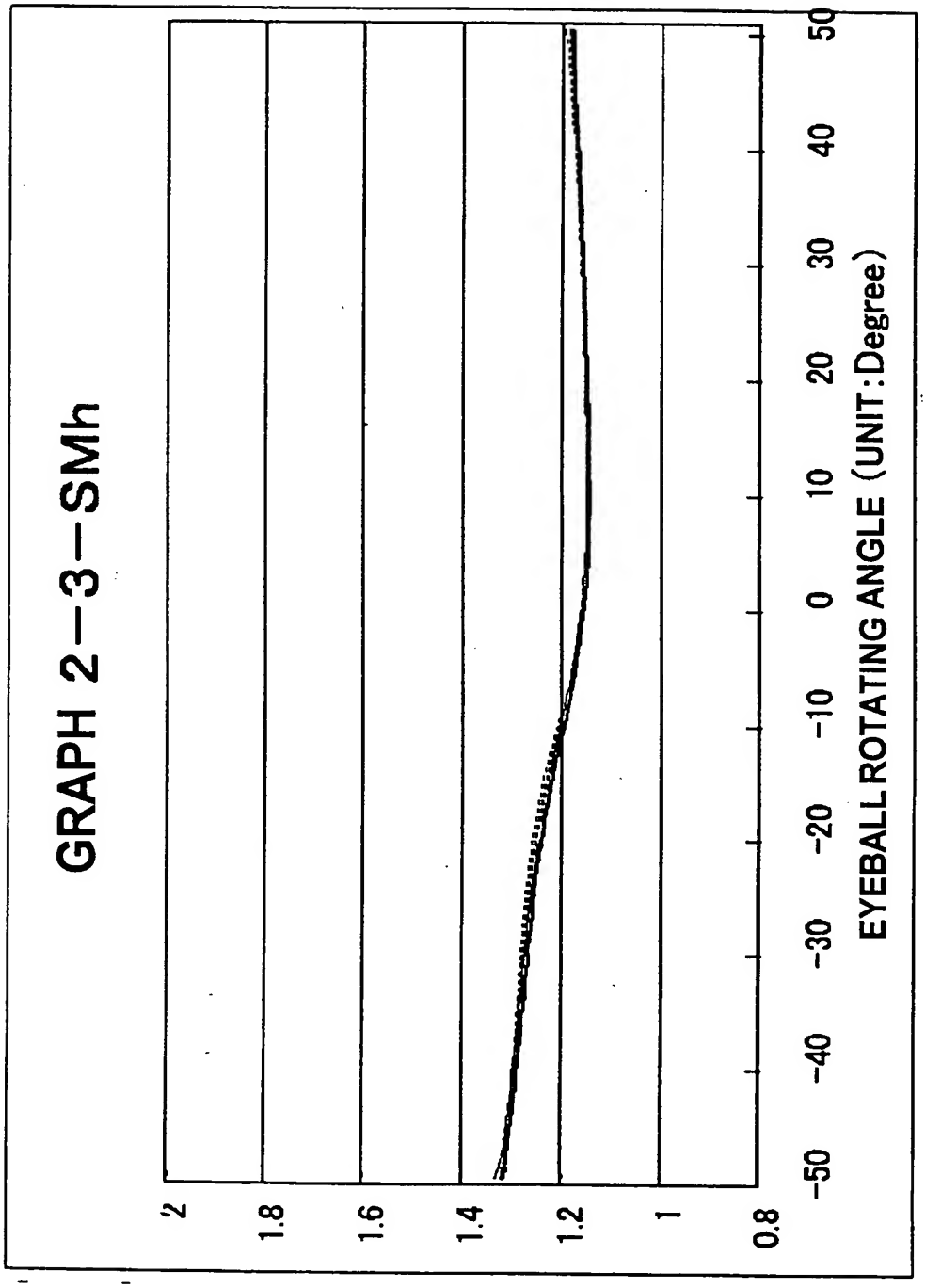

GRAPH 2-3-SMh
2
1.8
1.6
1.4
1.2
1
0.8
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 31

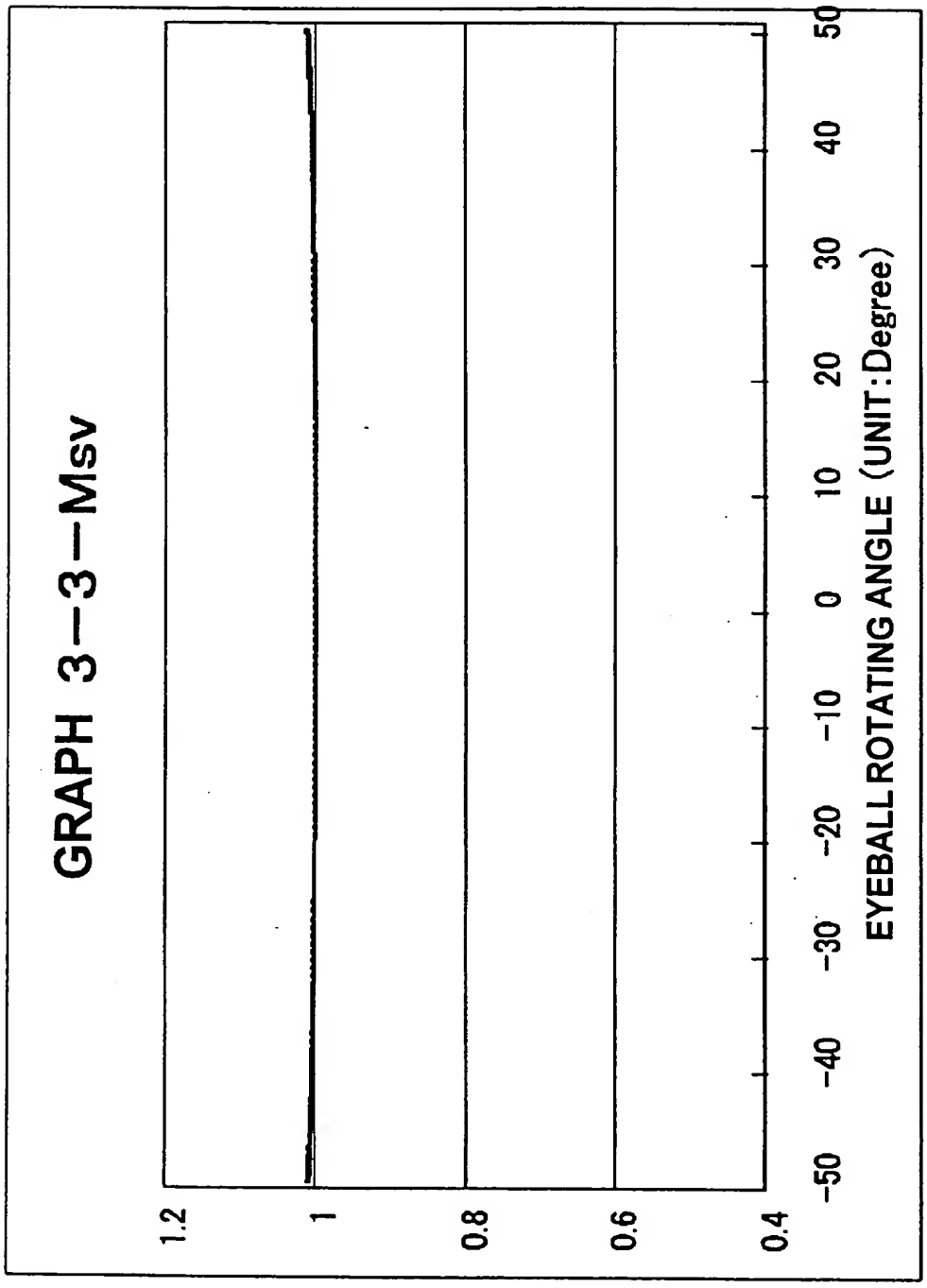

GRAPH 3-3-Msv
1.2
1
0.8
0.6
0.4
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 32

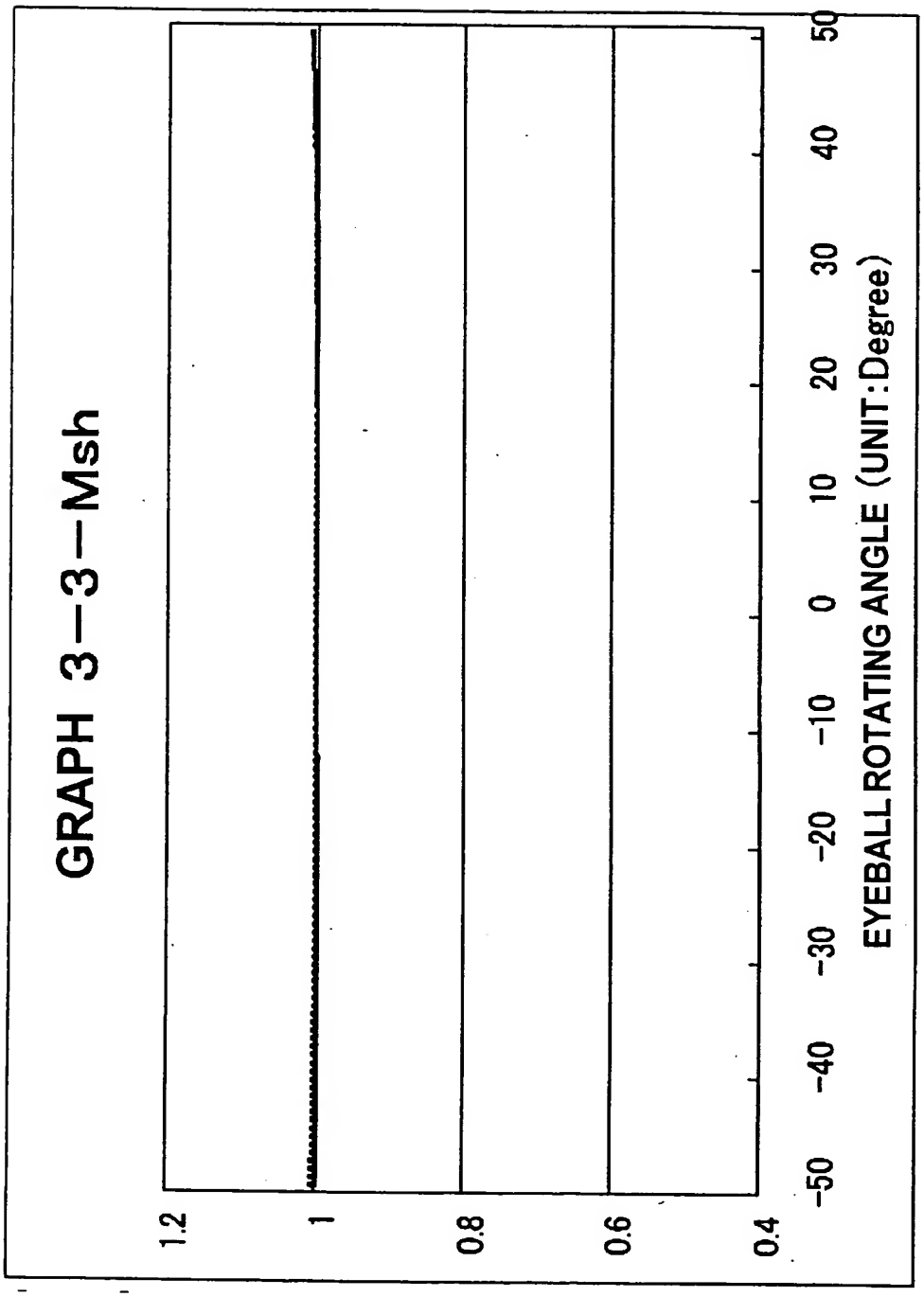

GRAPH 3-3-Msh
1.2
1
0.8
0.6
0.4
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 33

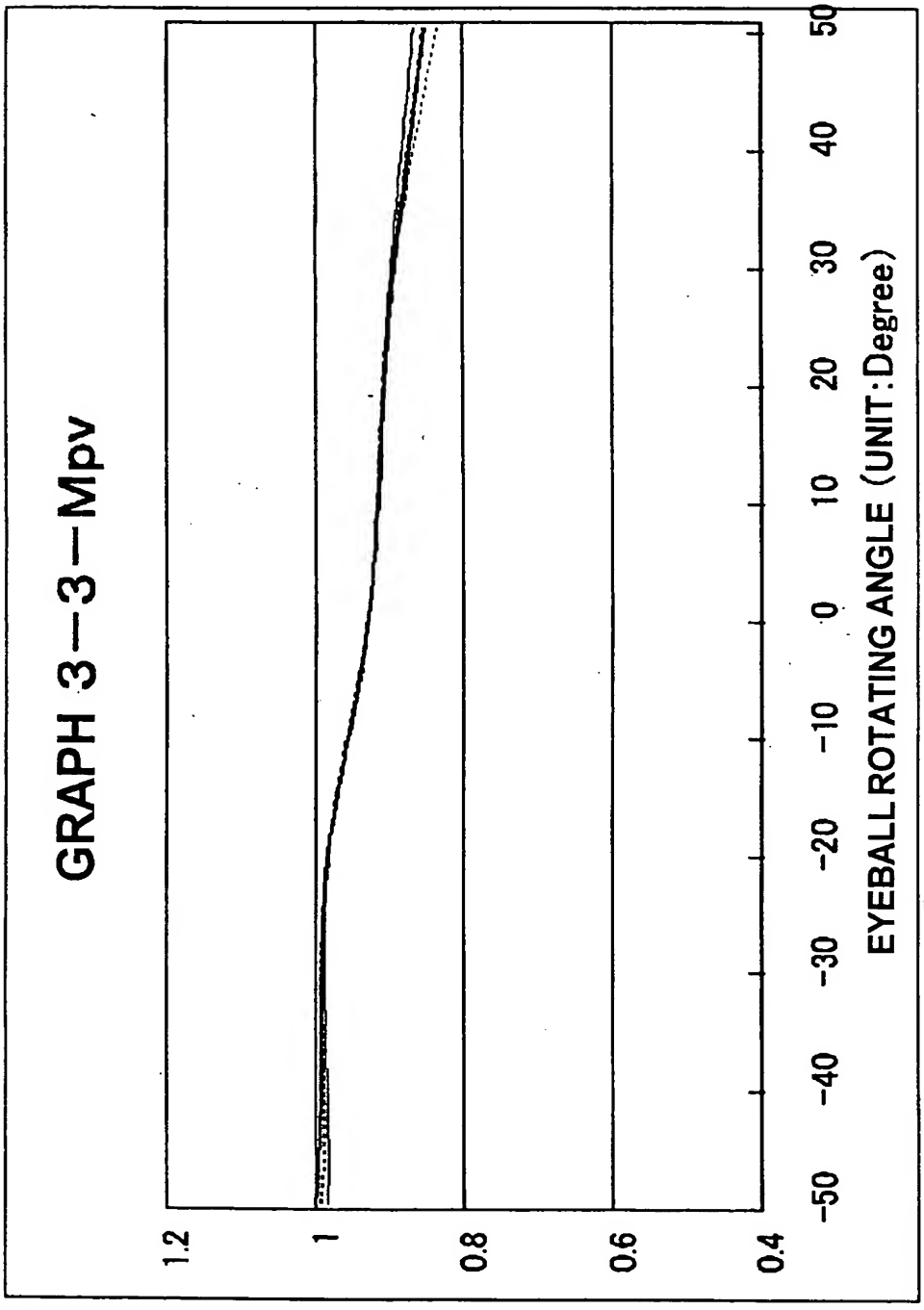

GRAPH 3—3—Mpv
1.2
1
0.8
0.6
0.4
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 34

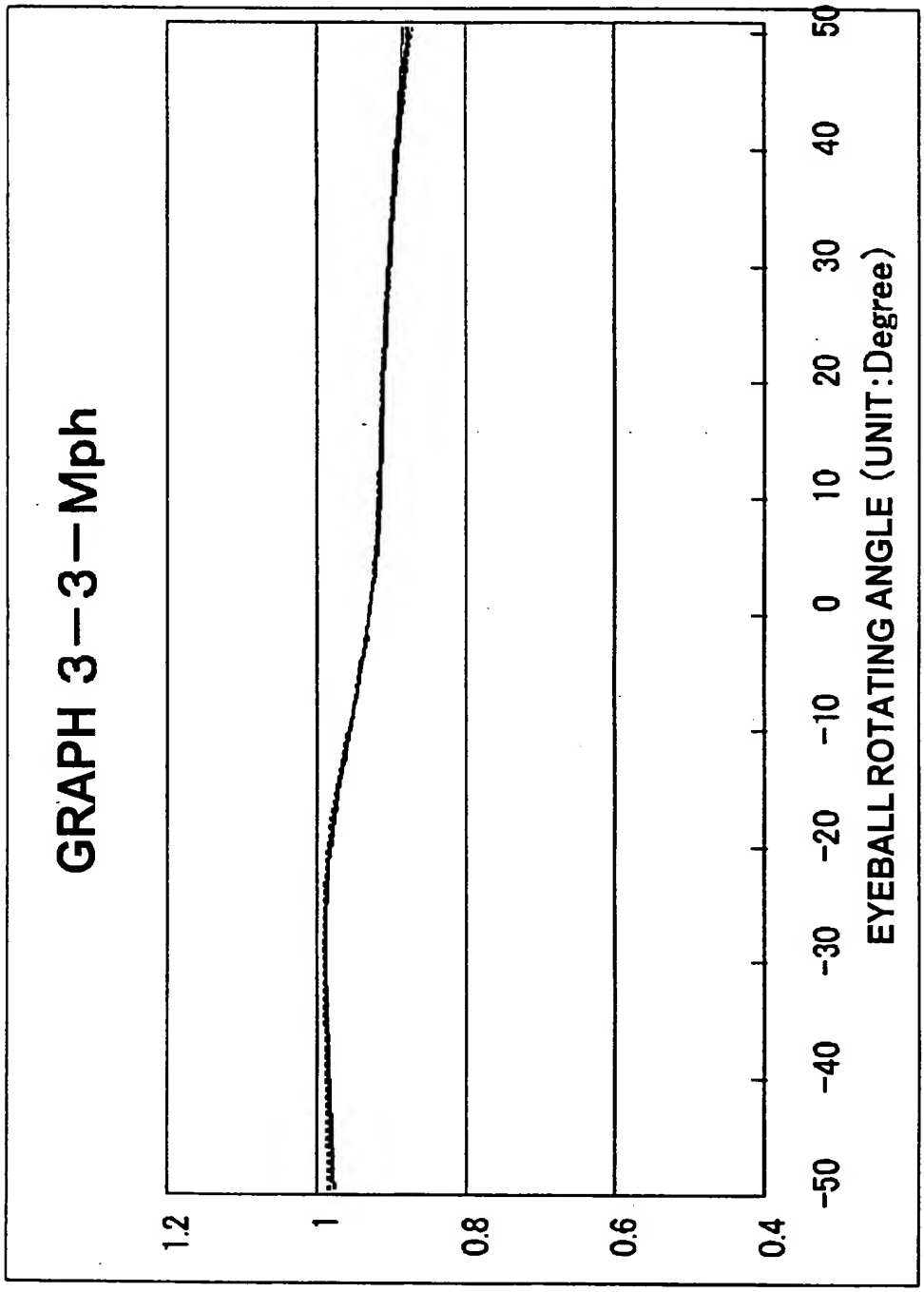

GRAPH 3-3-Mph
1.2
1
0.8
0.6
0.4
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 35

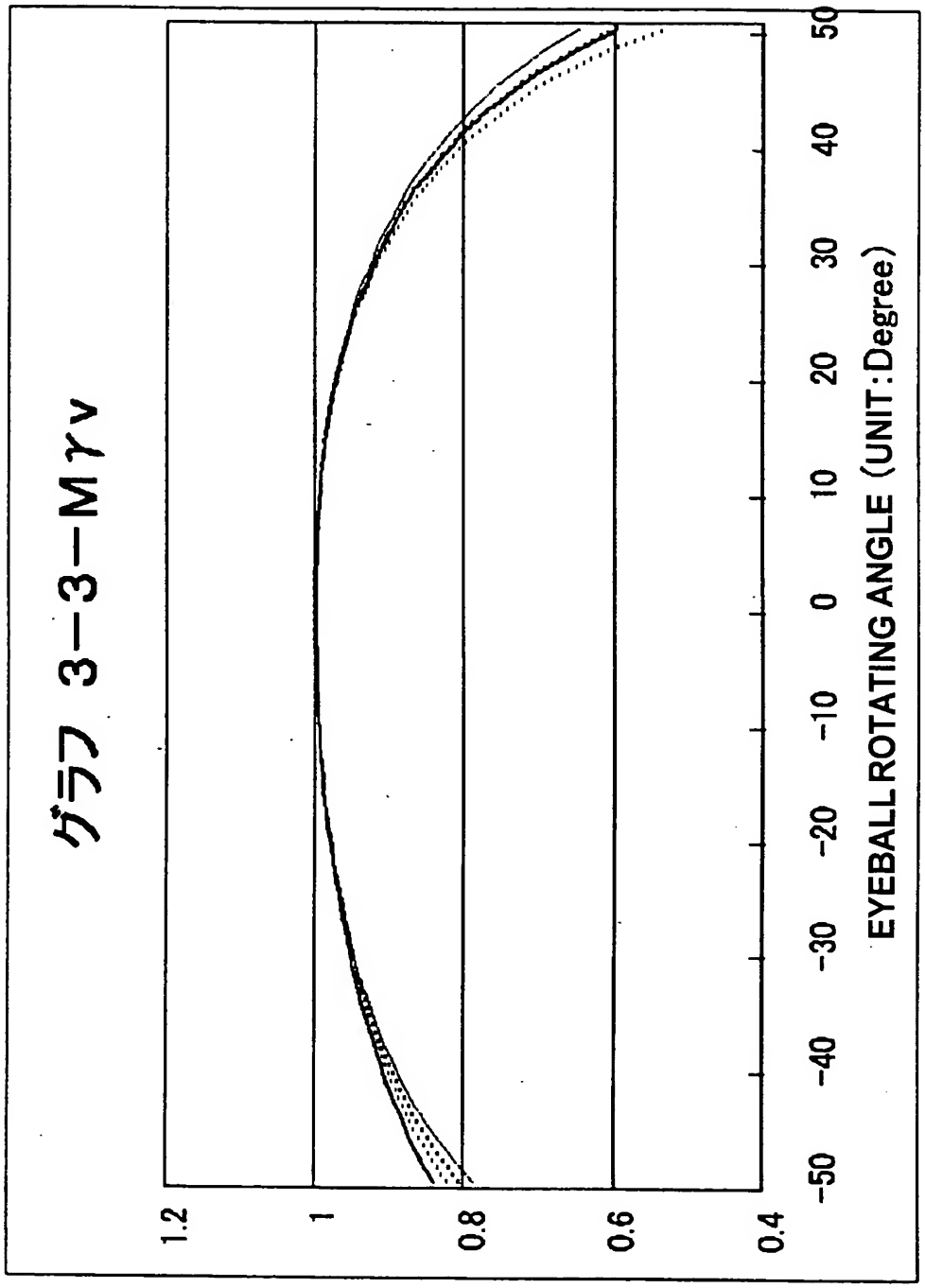

グラフ 3−3−Mγv
1.2
1
0.8
0.6
0.4
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 36

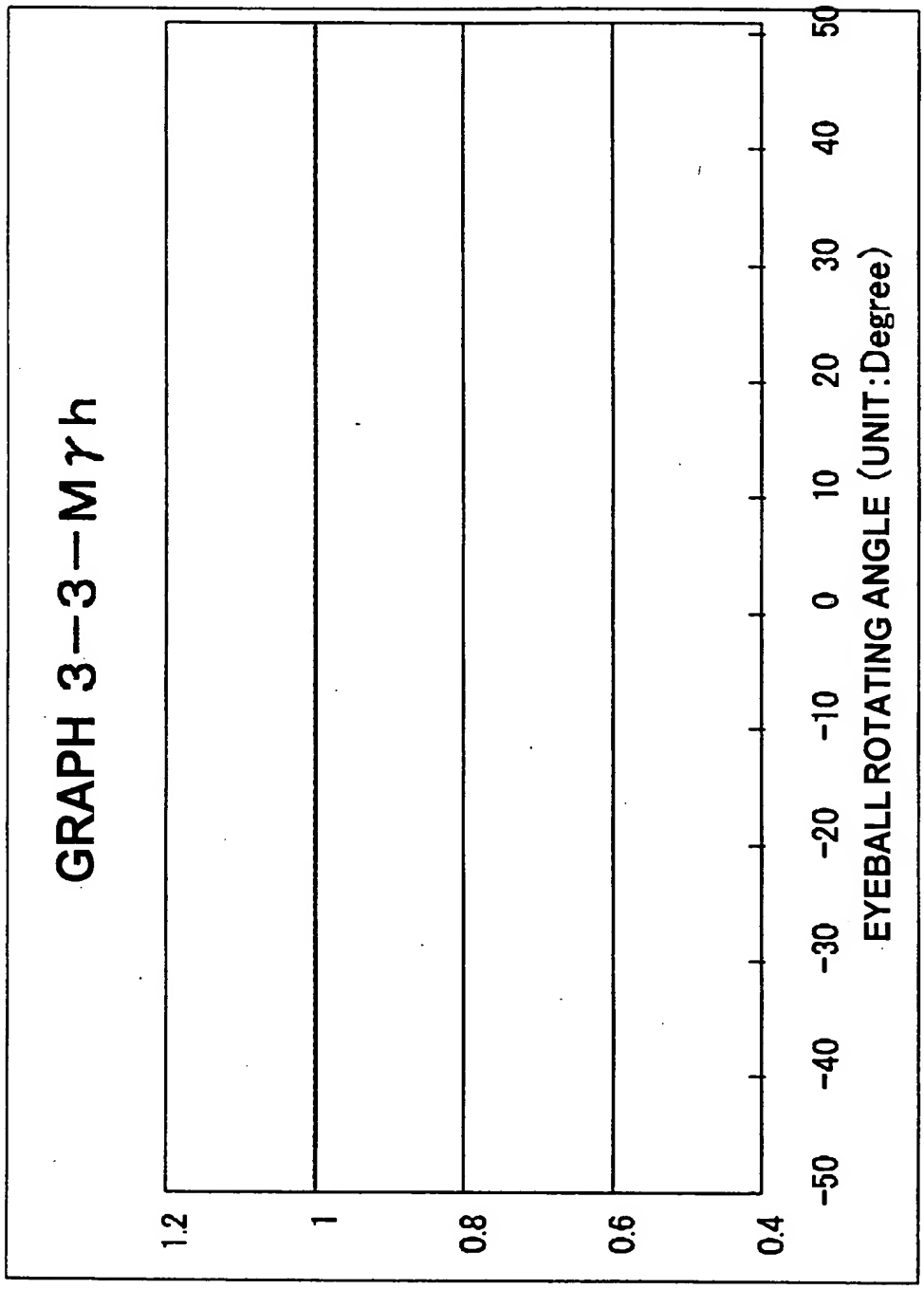

GRAPH 3-3-Mγh
1.2
1
0.8
0.6
0.4
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 37

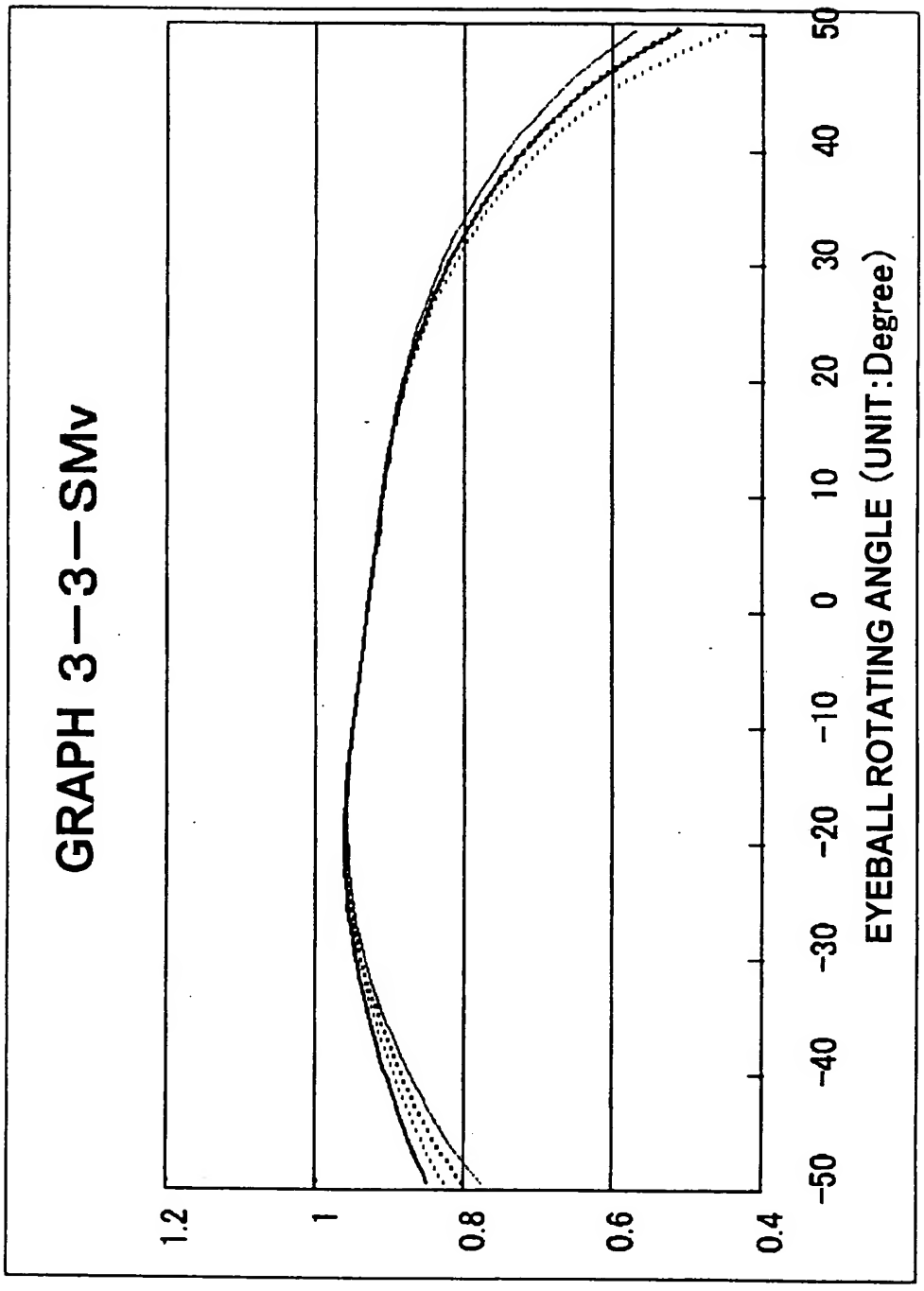

GRAPH 3-3-SMv
1.2
1
0.8
0.6
0.4
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 38

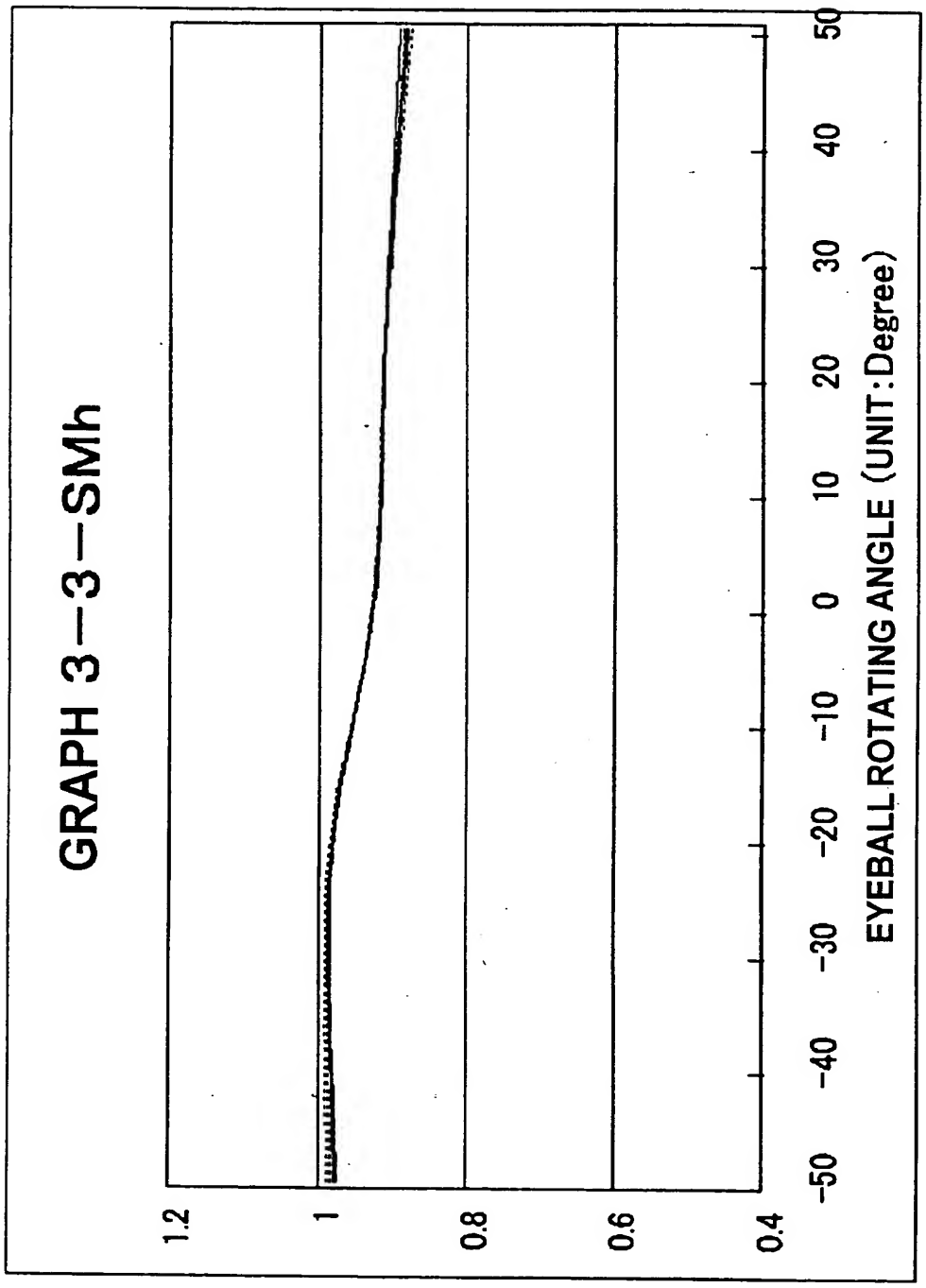

GRAPH 3—3—SMh
1.2
1
0.8
0.6
0.4
-50
-40
-30
-20
-10
0
10
20
30
40
50
EYEBALL ROTATING ANGLE (UNIT:Degree)

FIG. 39

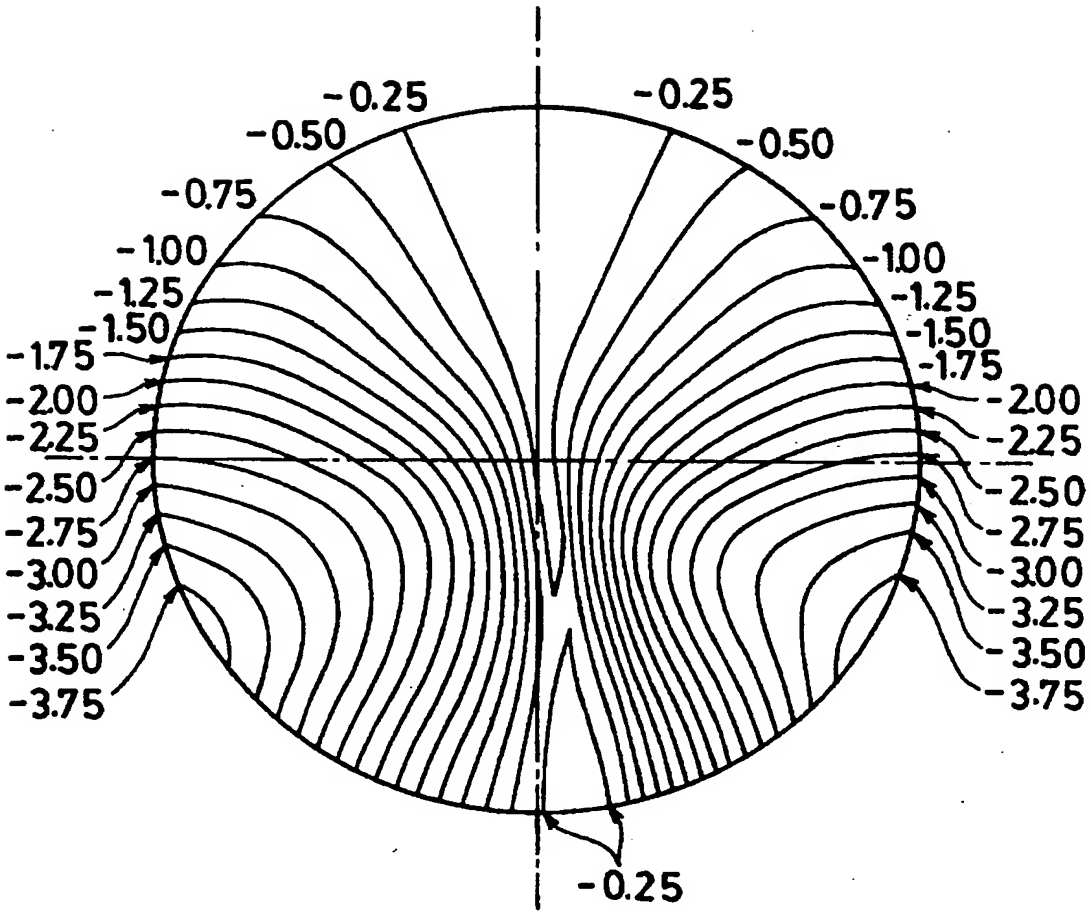

-0.25
-0.25
-0.50
-0.50
-0.75
-0.75
-1.00
-1.00
-1.25
-1.25
-1.50
-1.50
-1.75
-1.75
-2.00
-2.00
-2.25
-2.25
-2.50
-2.50
-2.75
-2.75
-3.00
-3.00
-3.25
-3.25
-3.50
-3.50
-3.75
-3.75
-0.25

FIG. 40

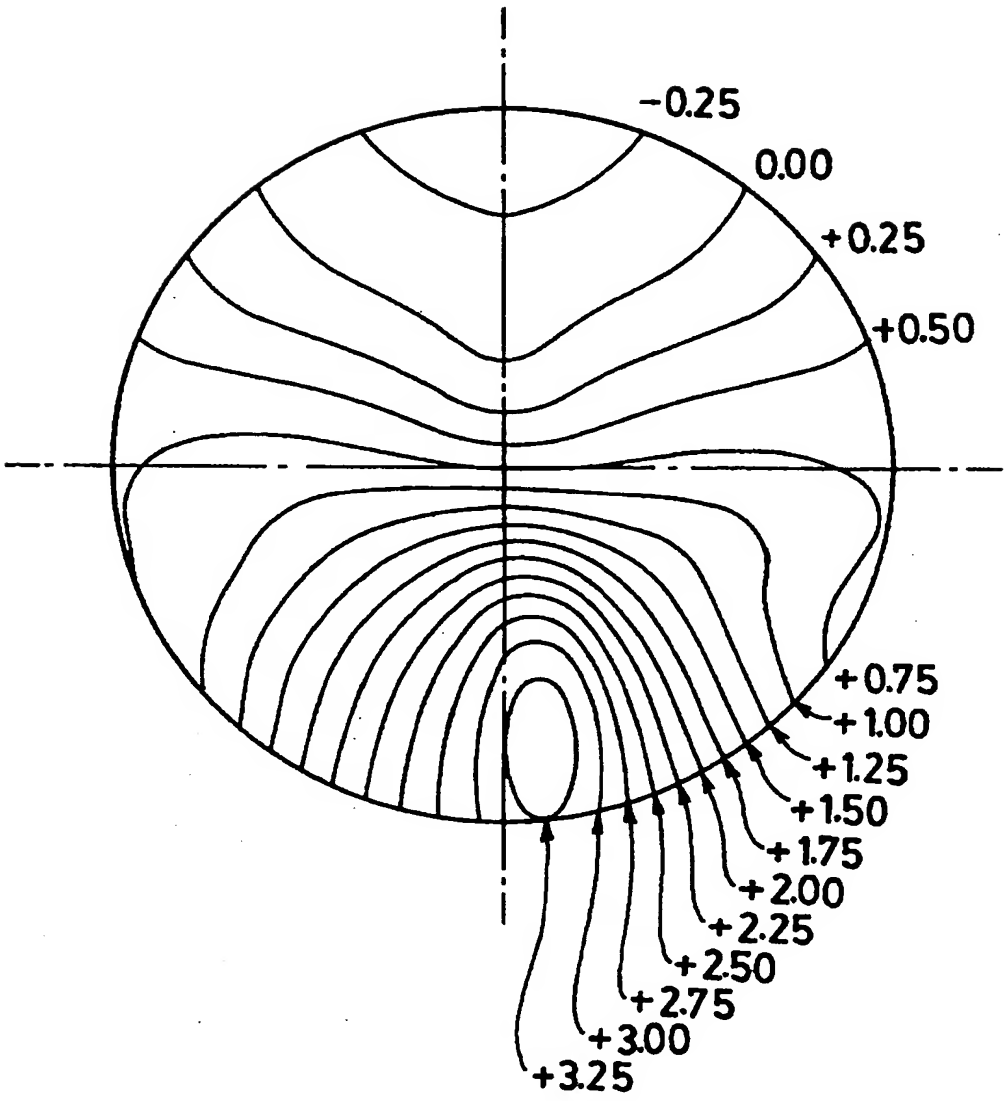


FIG. 41

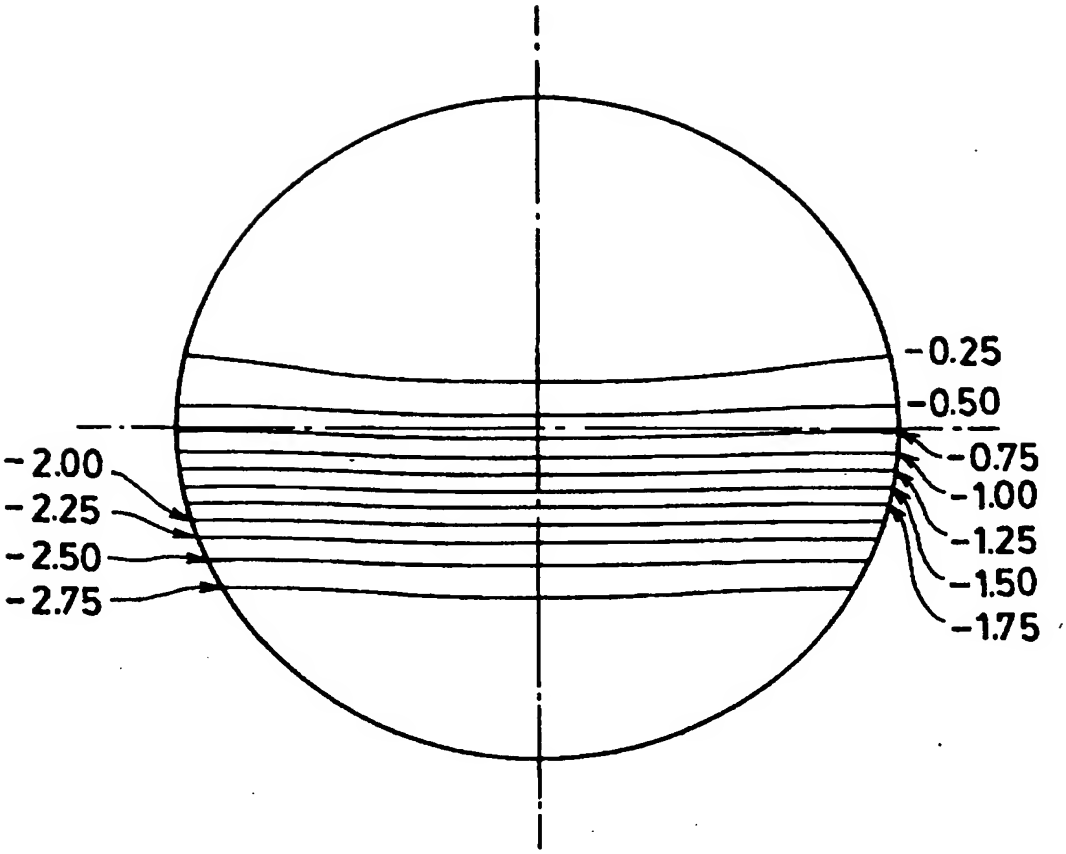


FIG. 42

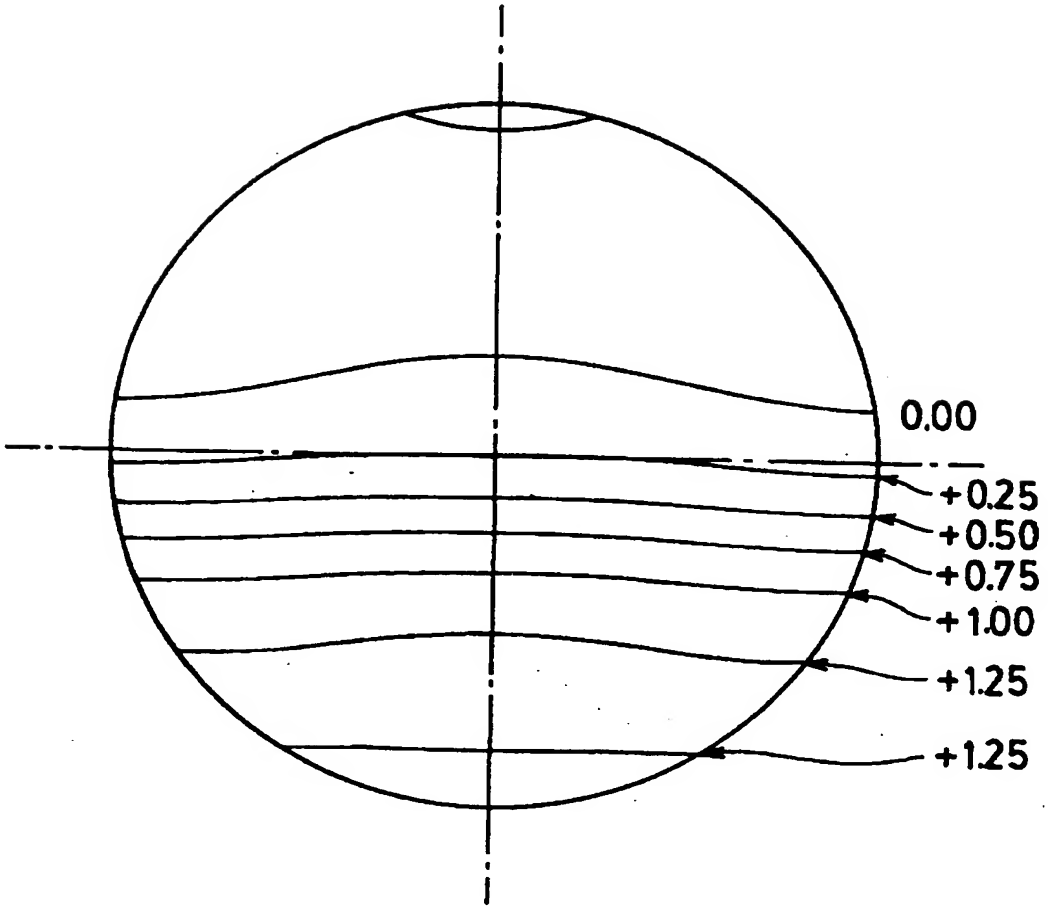


FIG. 43

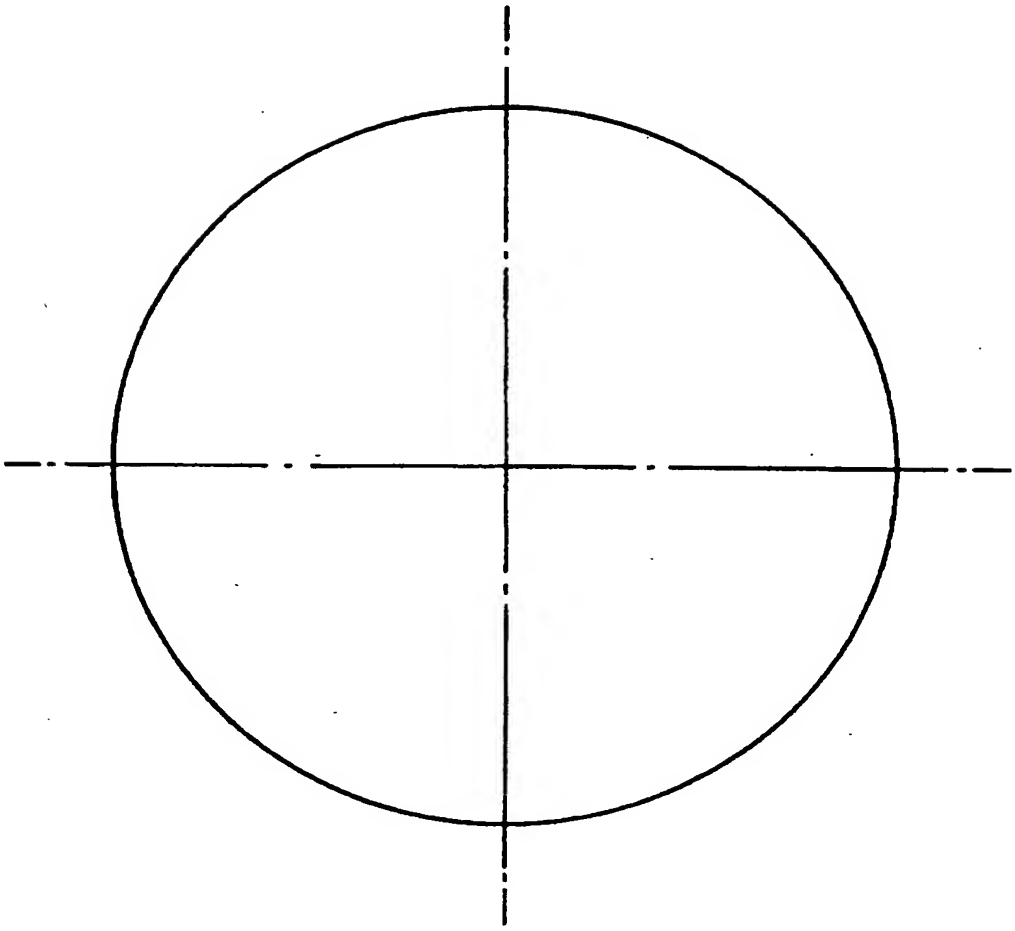


FIG. 44

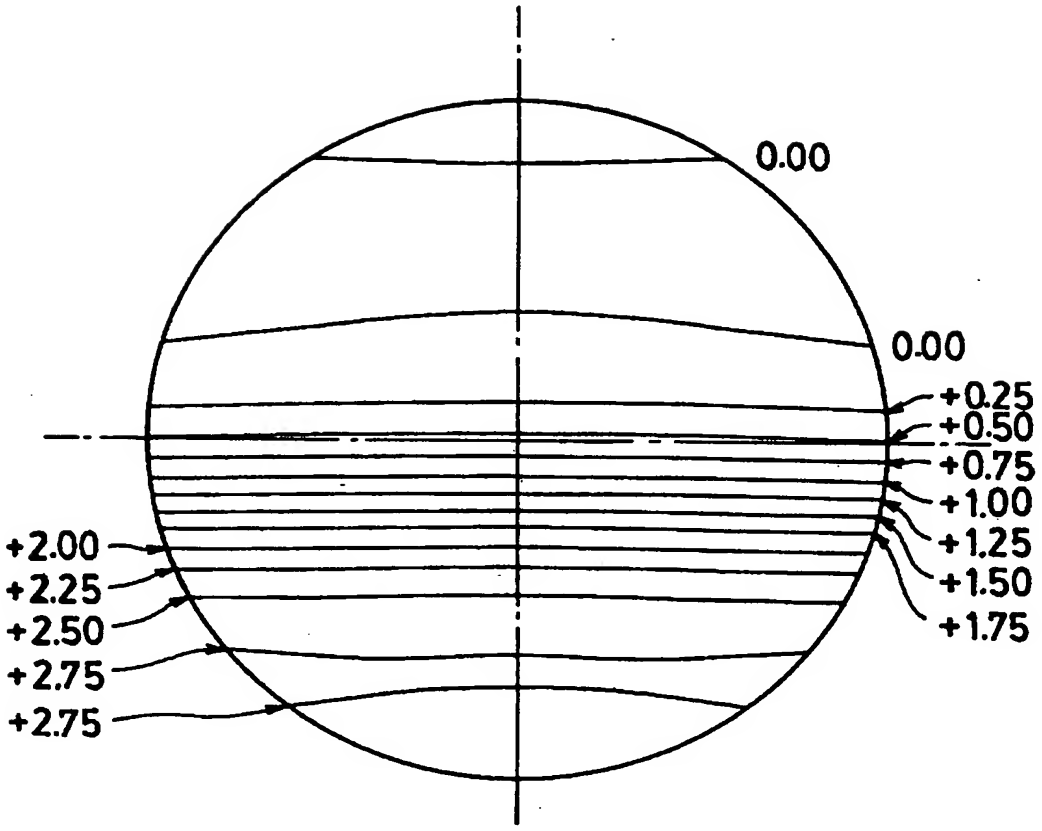


FIG. 45

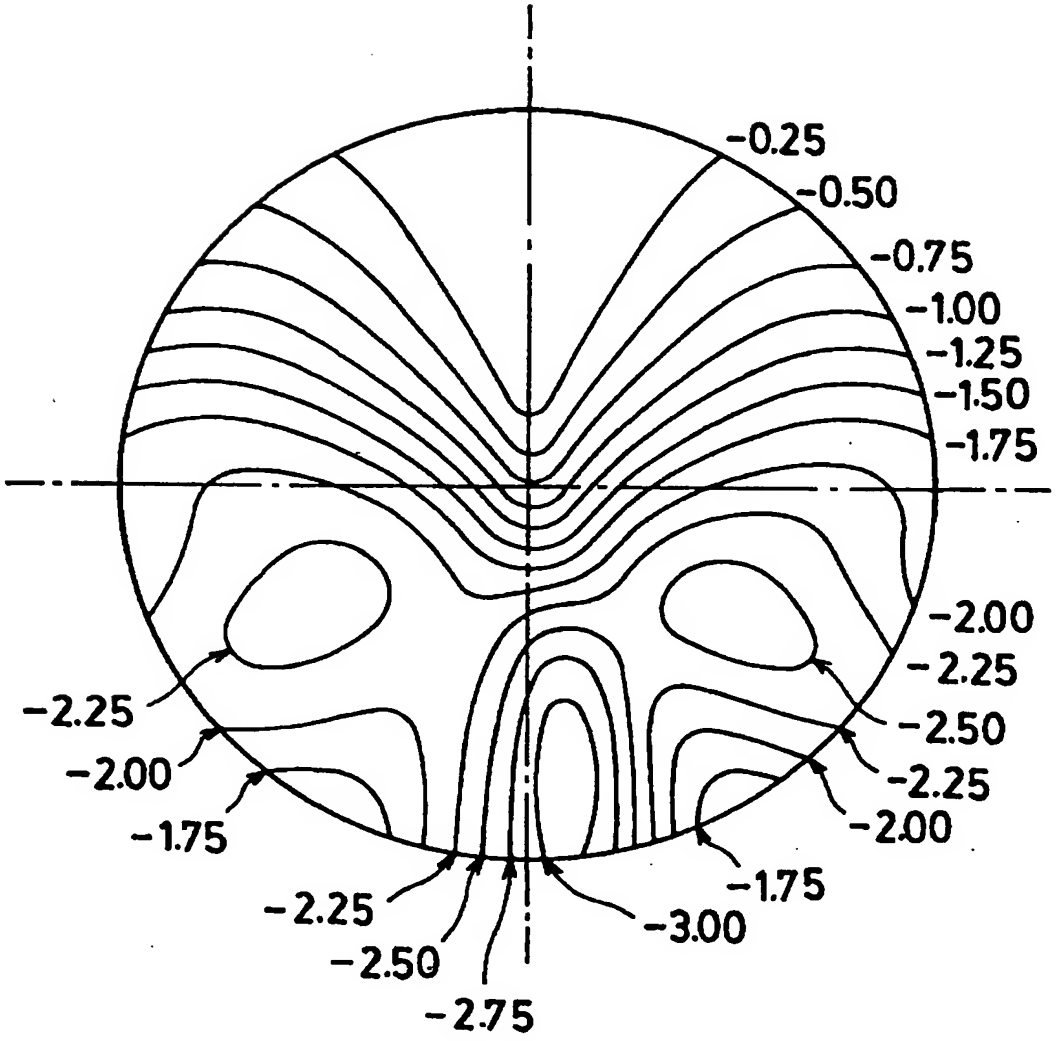

-0.25
-0.50
-0.75
-1.00
-1.25
-1.50
-1.75
-2.00
-2.25
-2.50
-2.25
-2.00
-2.25
-2.00
-1.75
-1.75
-2.25
-3.00
-2.50
-2.75

FIG. 46

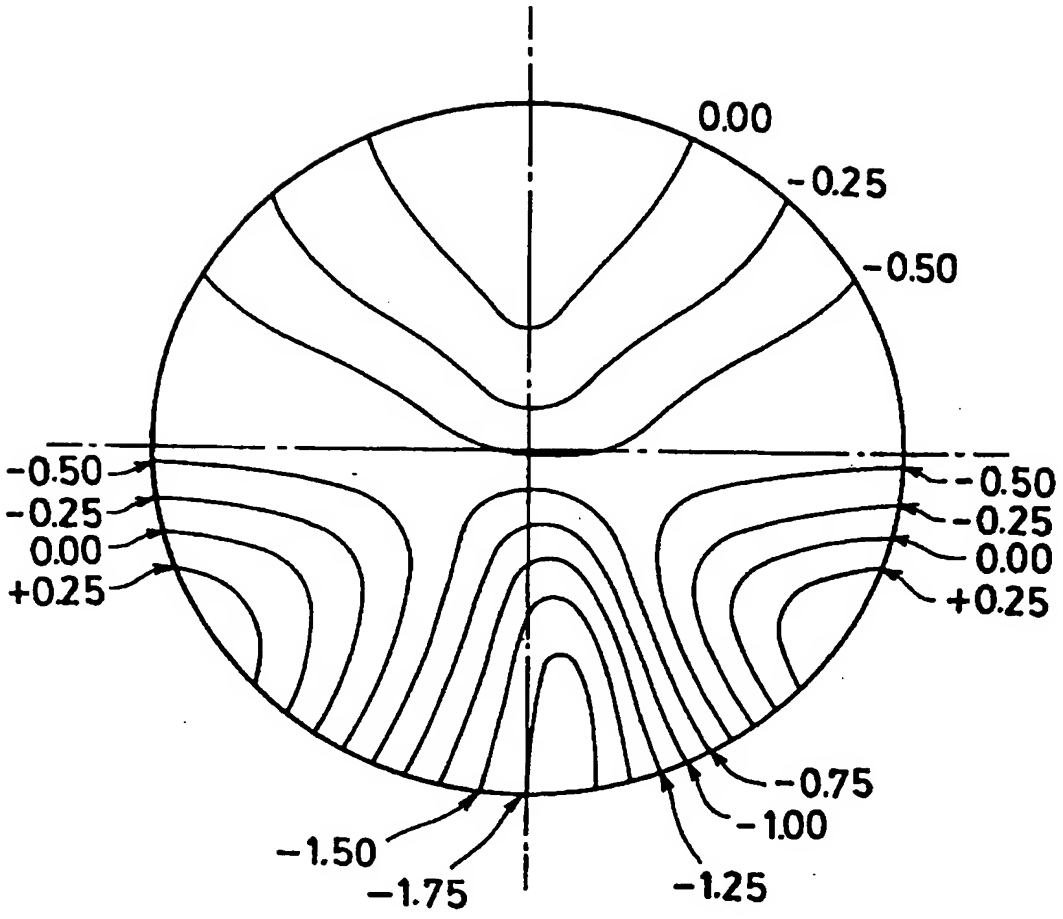


FIG. 47

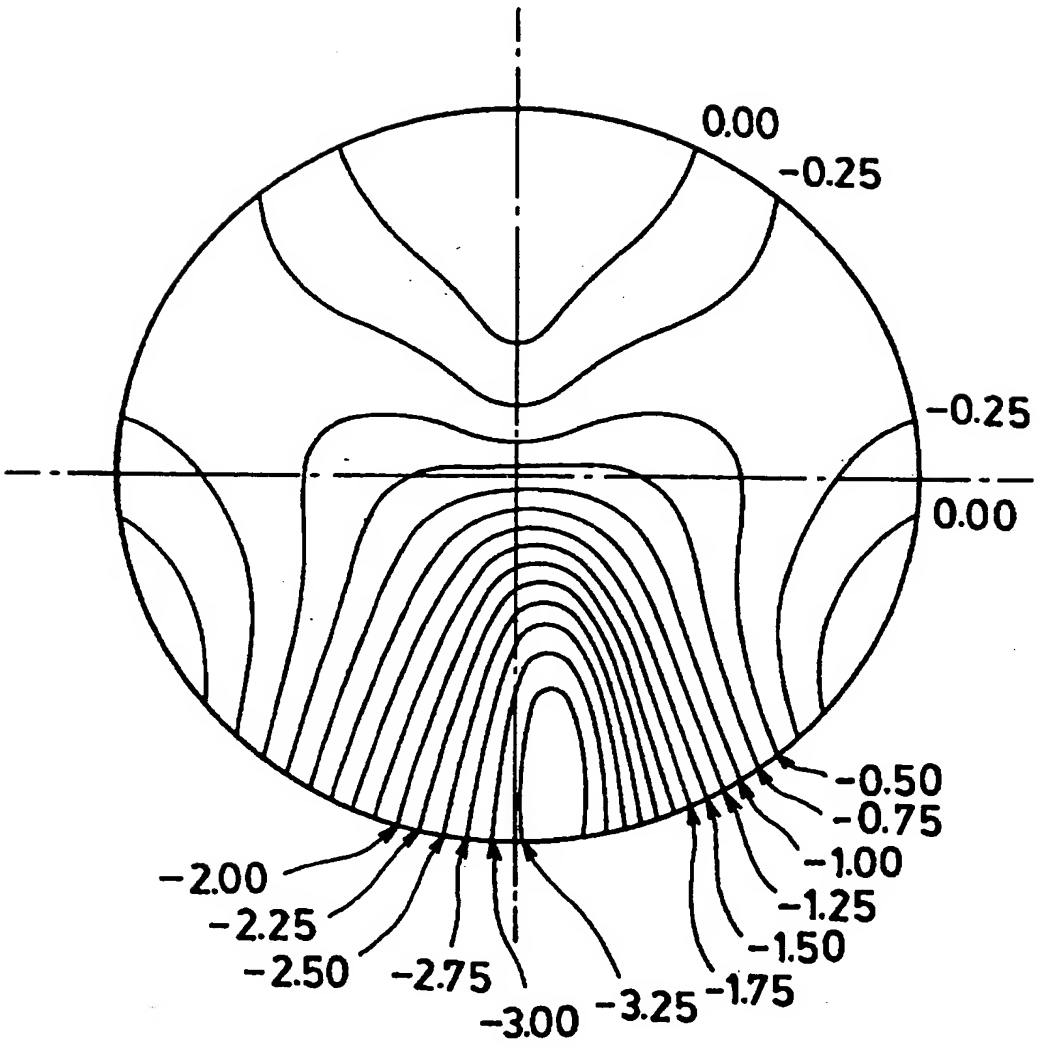


FIG. 48

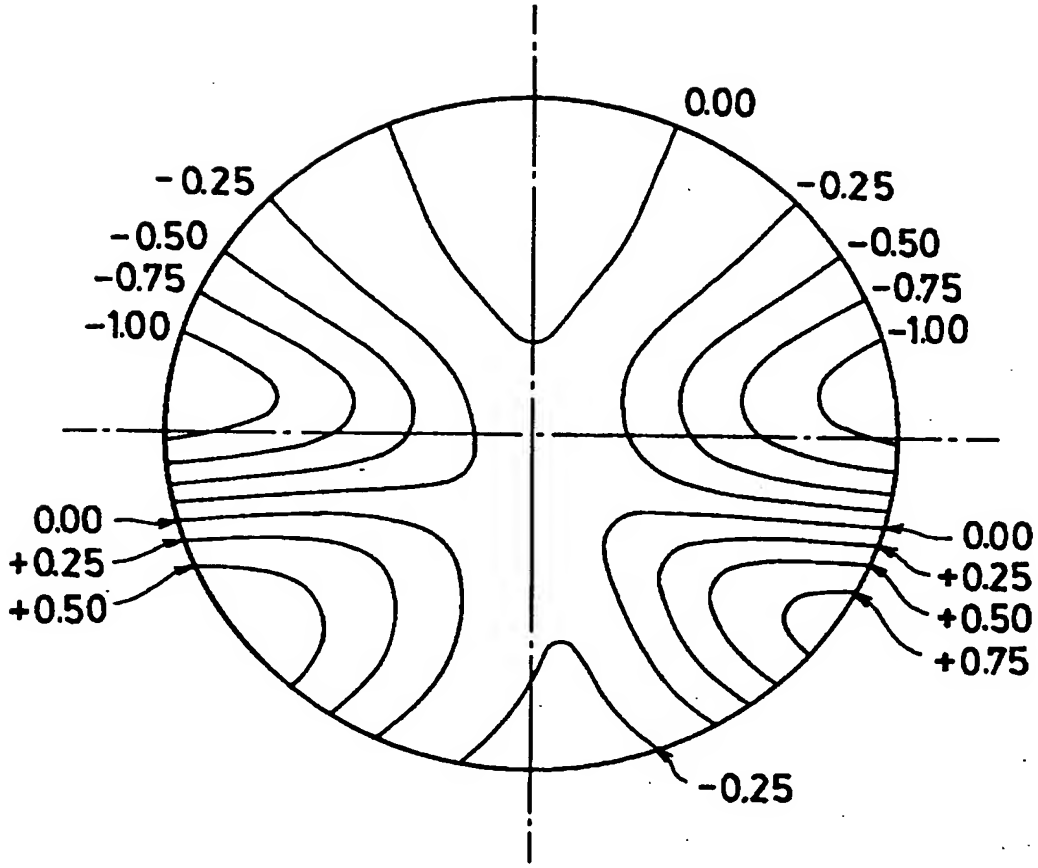

0.00
-0.25
-0.50
-0.75
-1.00
-0.25
-0.50
-0.75
-1.00
0.00
+0.25
+0.50
0.00
+0.25
+0.50
+0.75
-0.25

FIG. 49

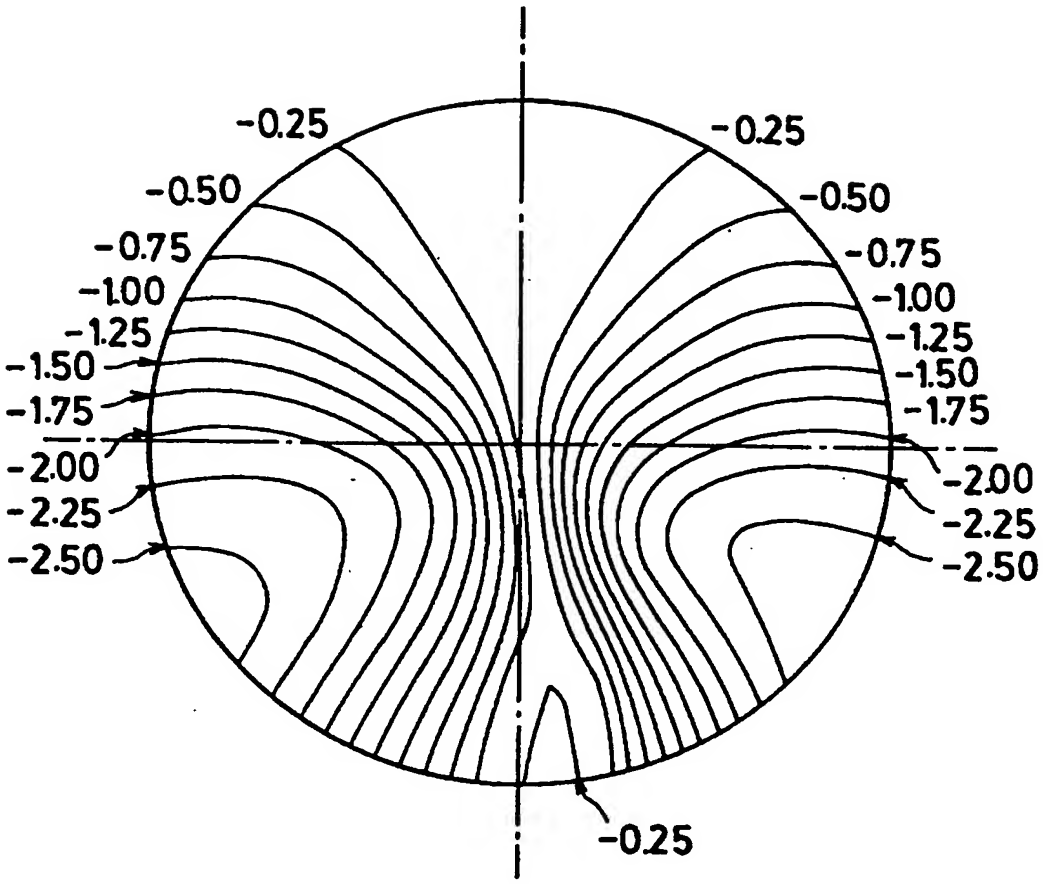

-0.25
-0.25
-0.50
-0.50
-0.75
-0.75
-1.00
-1.00
-1.25
-1.25
-1.50
-1.50
-1.75
-1.75
-2.00
-2.00
-2.25
-2.25
-2.50
-2.50
-0.25

FIG. 50

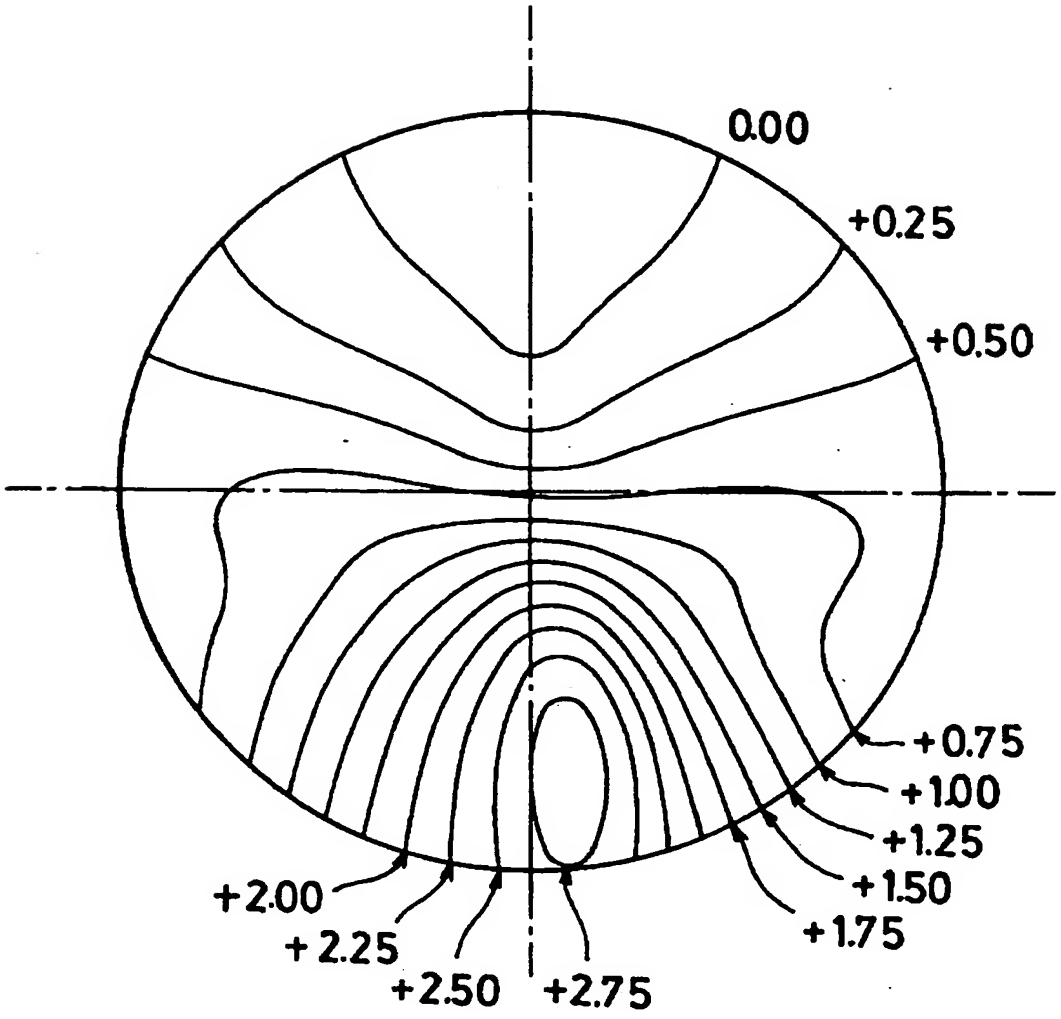


FIG. 51

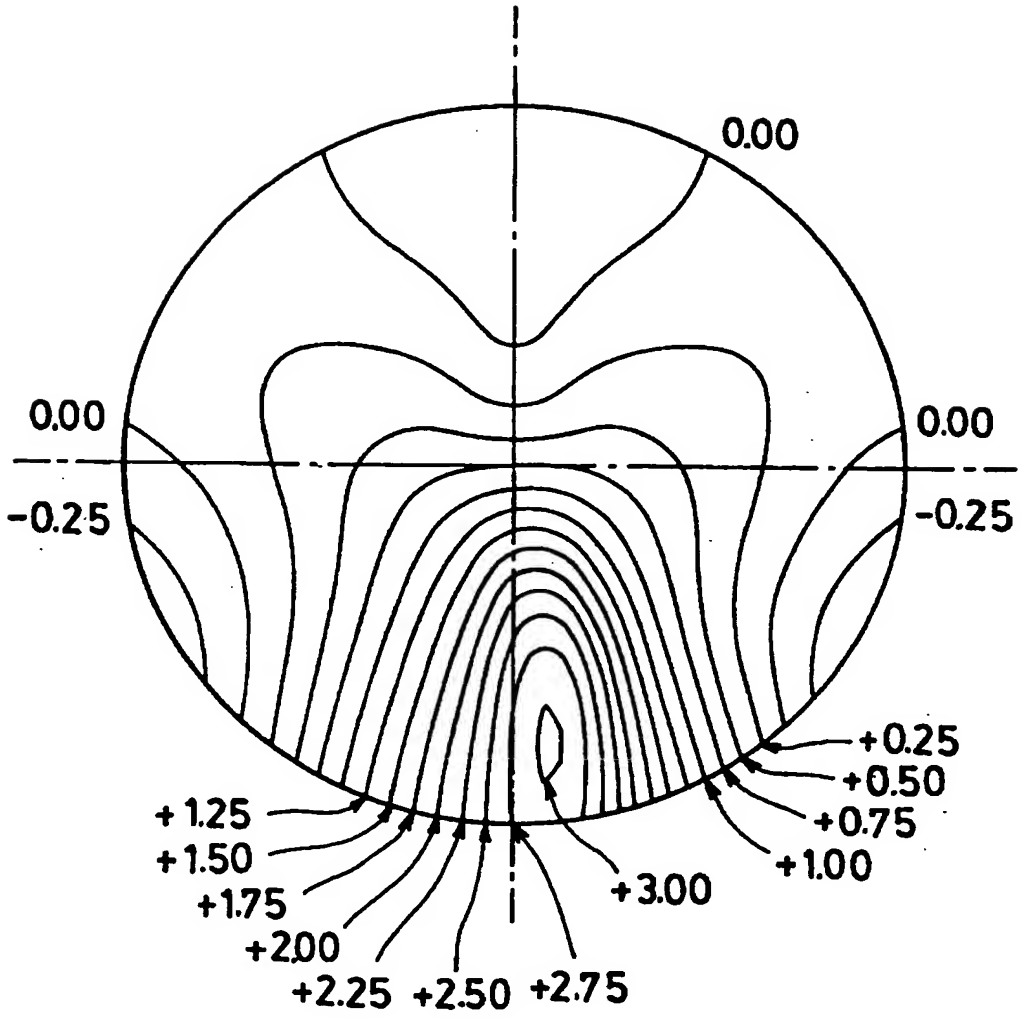

0.00
0.00
0.00
-0.25
-0.25
+0.25
+0.50
+0.75
+1.00
+1.25
+1.50
+1.75
+2.00
+2.25
+2.50
+2.75
+3.00

FIG. 52

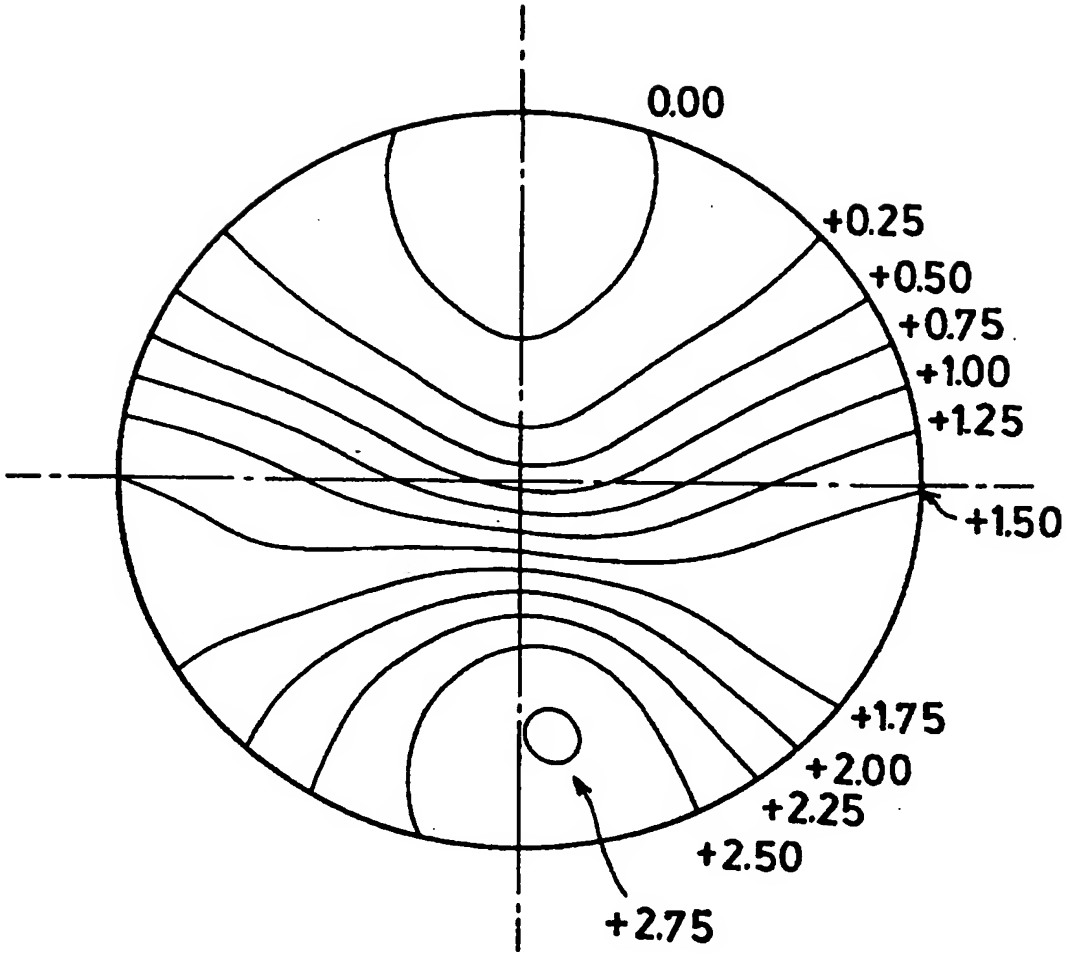


FIG. 53

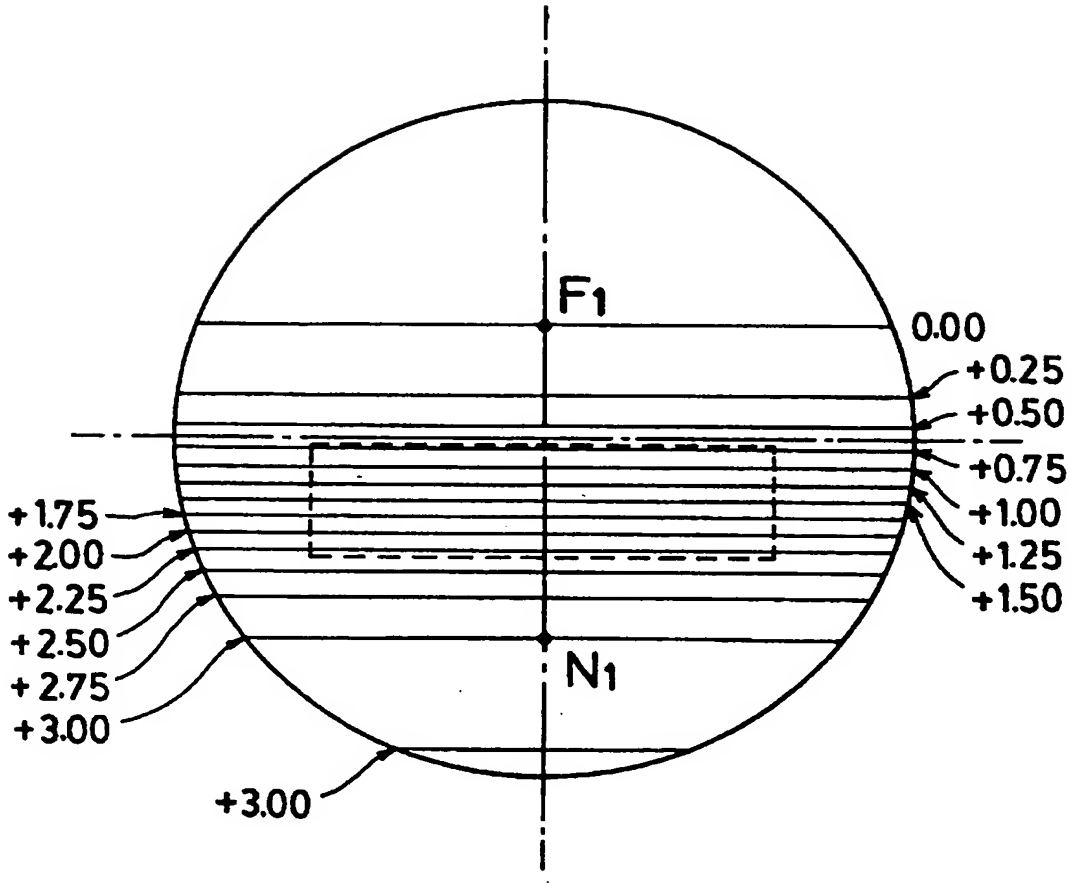


FIG. 54

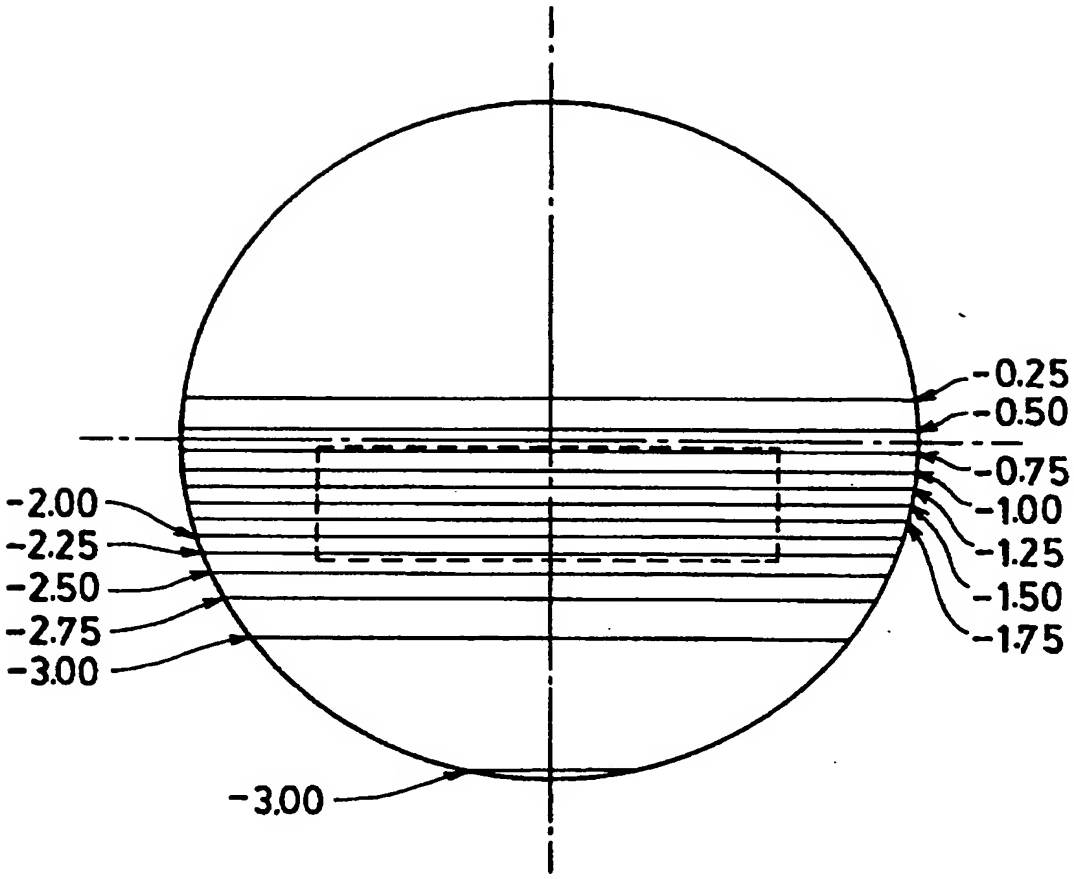


FIG. 55

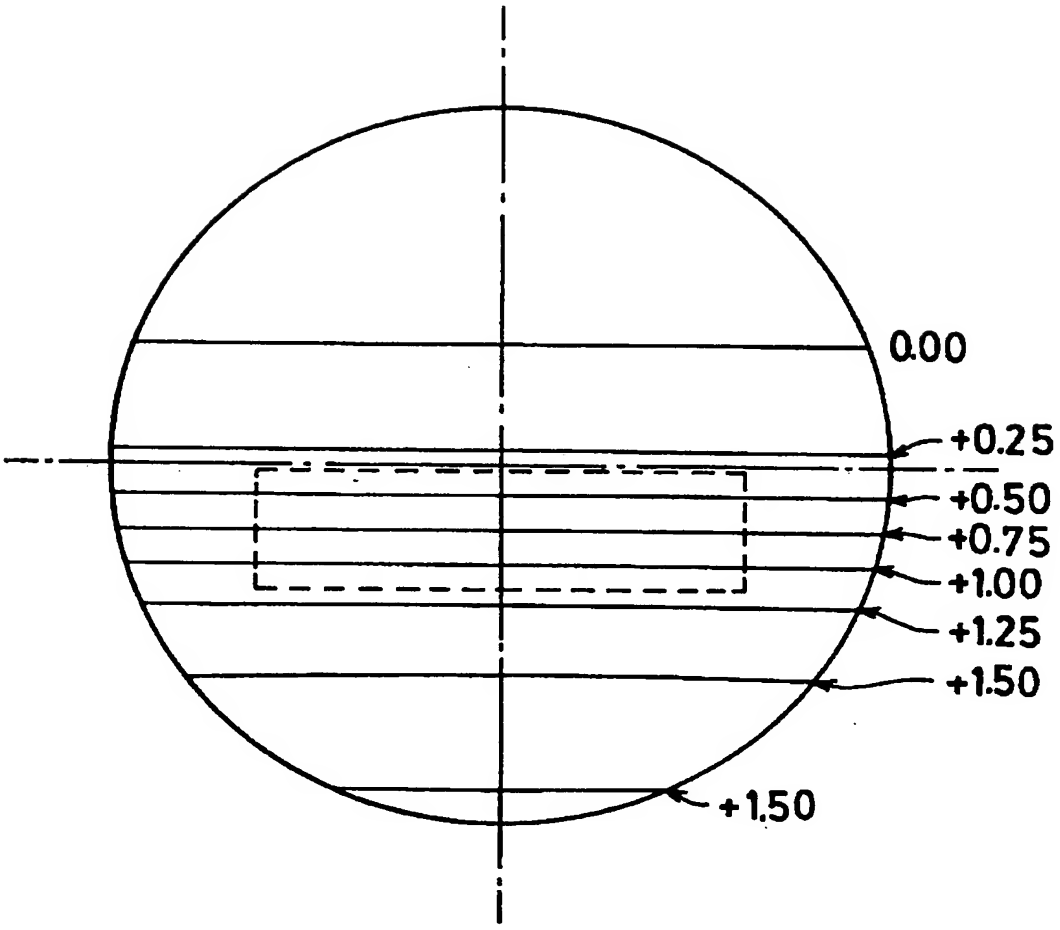


FIG. 56

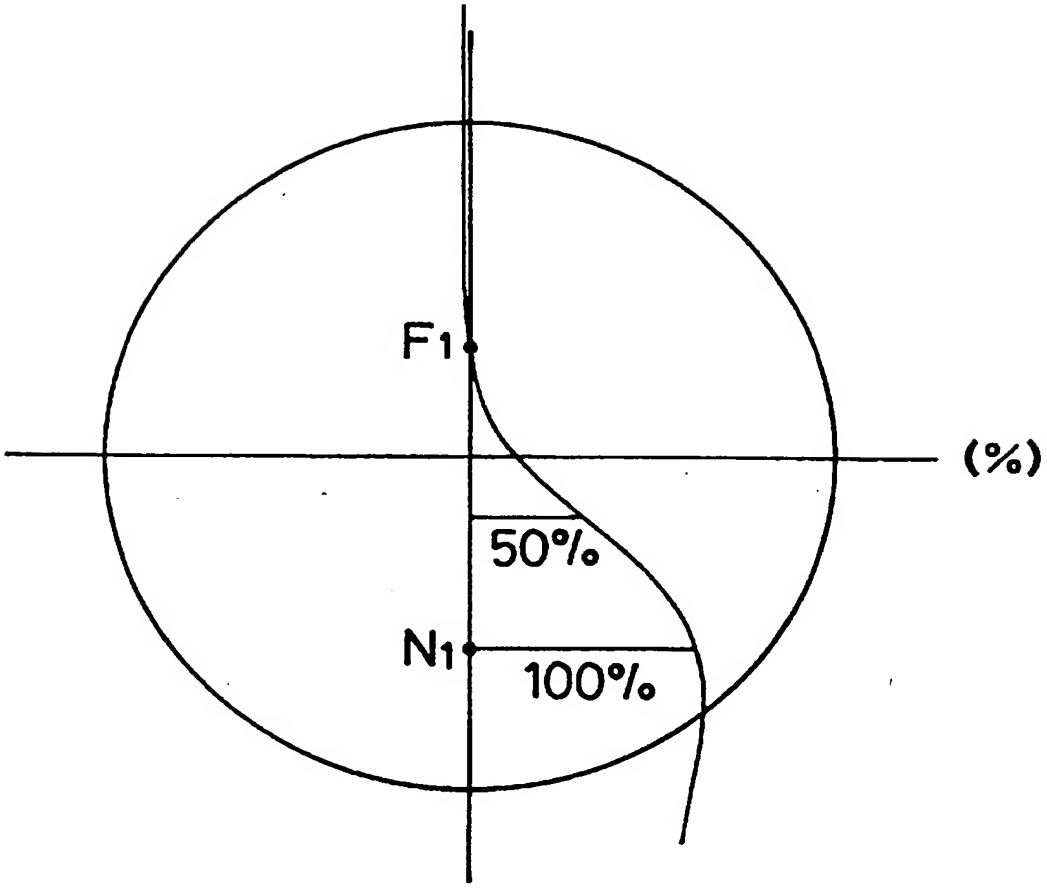
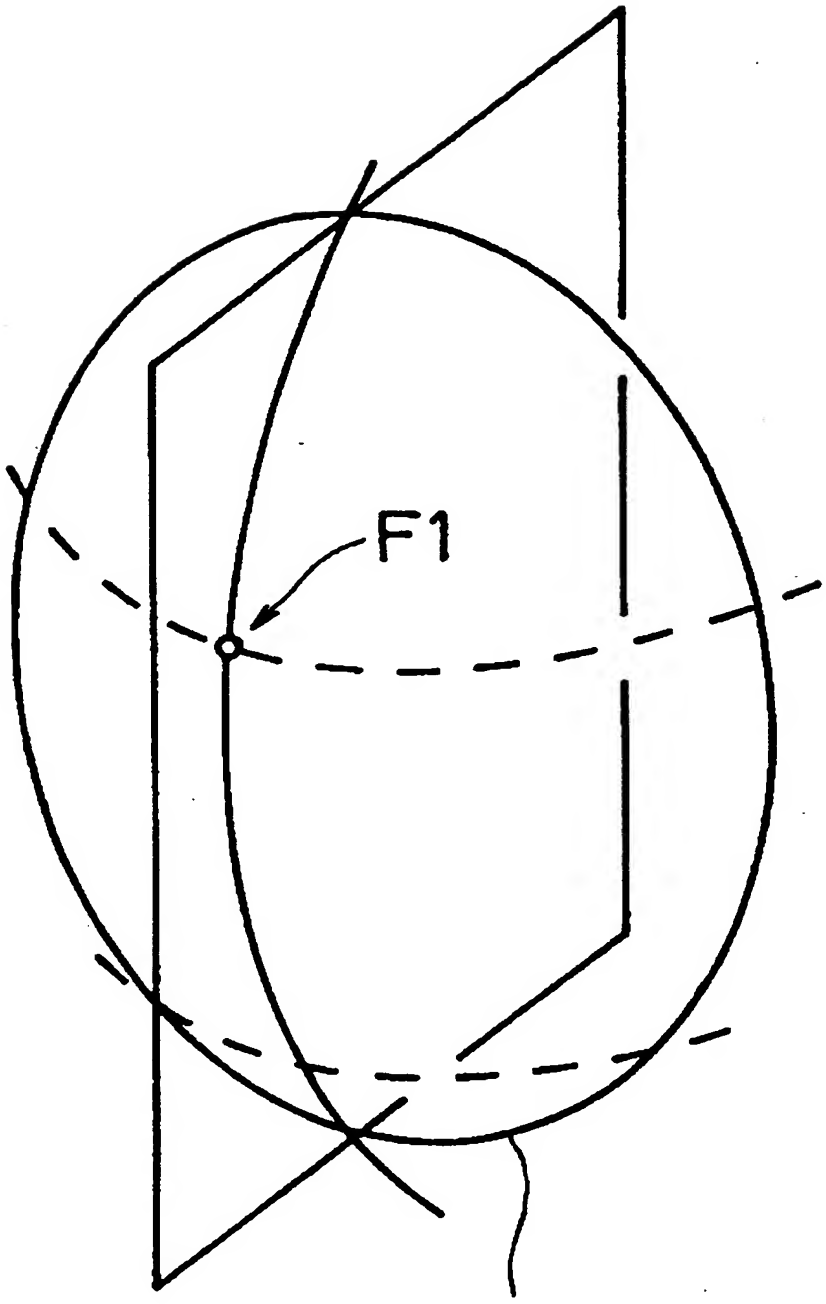


FIG. 57



BI-ASPHERICAL TYPE
PROGRESSIVE-POWER LENS

FIG. 58

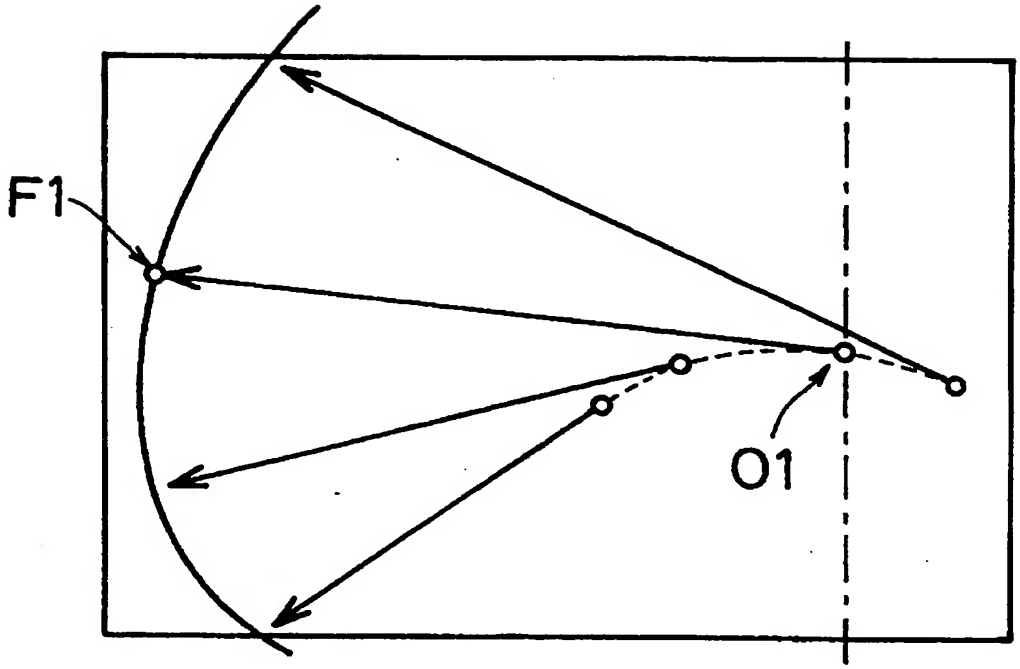


FIG. 59

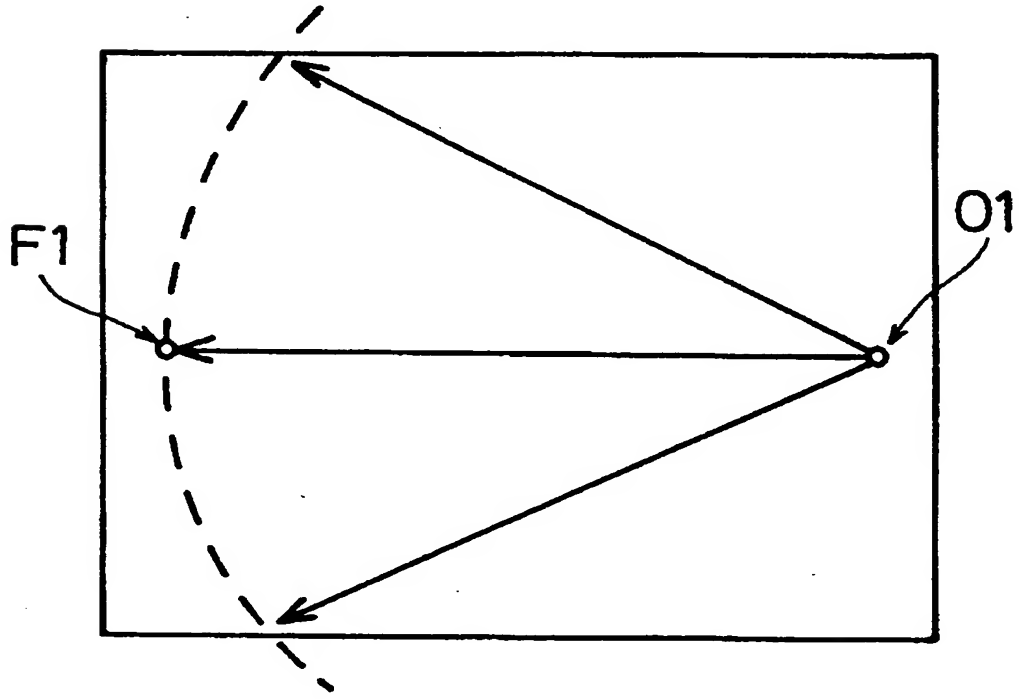


FIG. 60

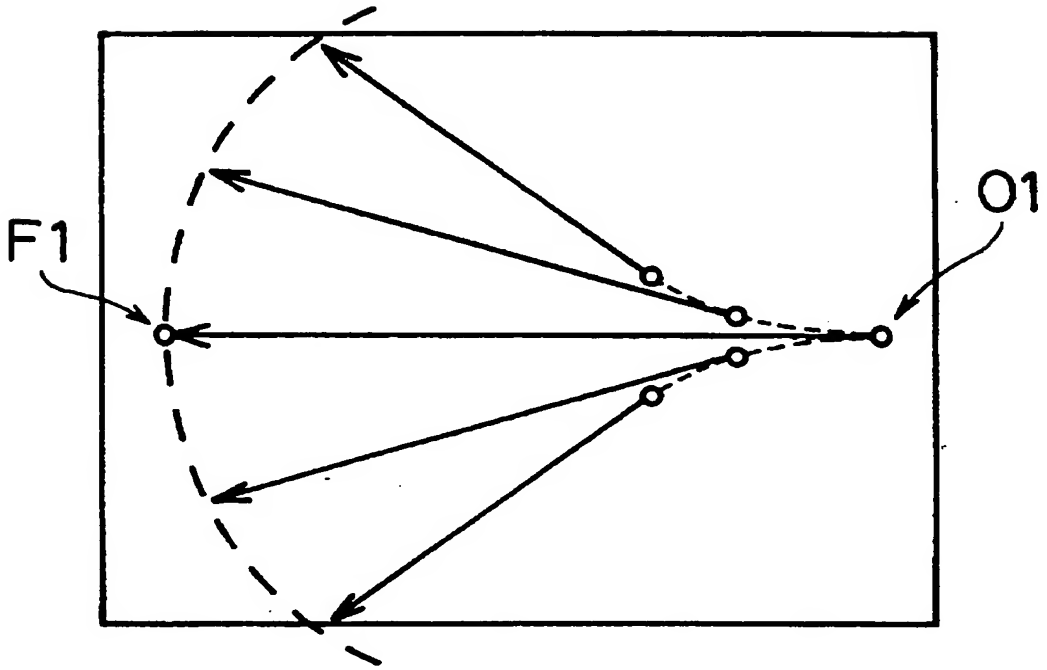


FIG. 61

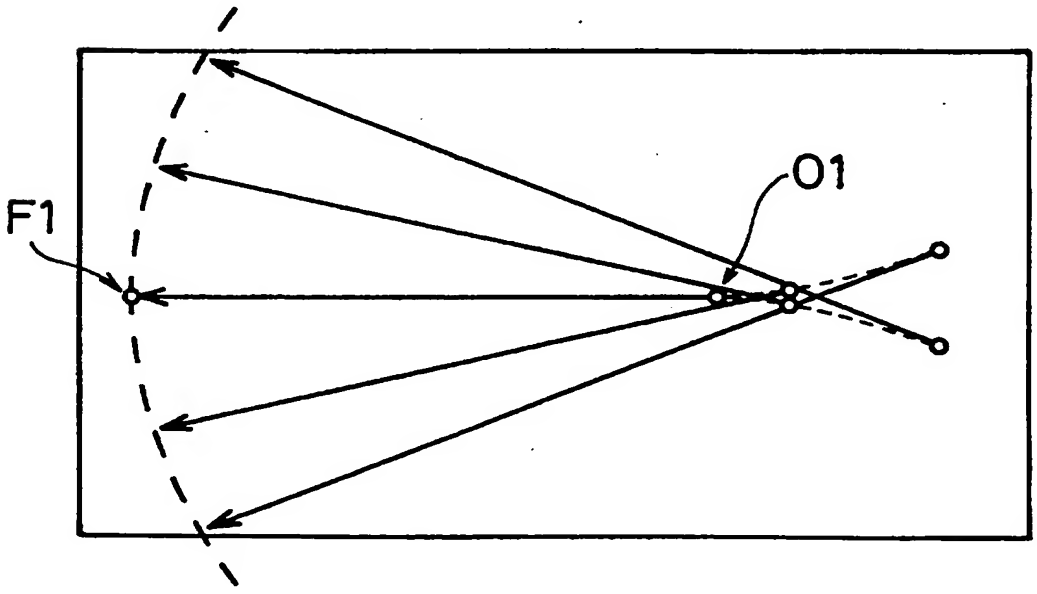


FIG. 62

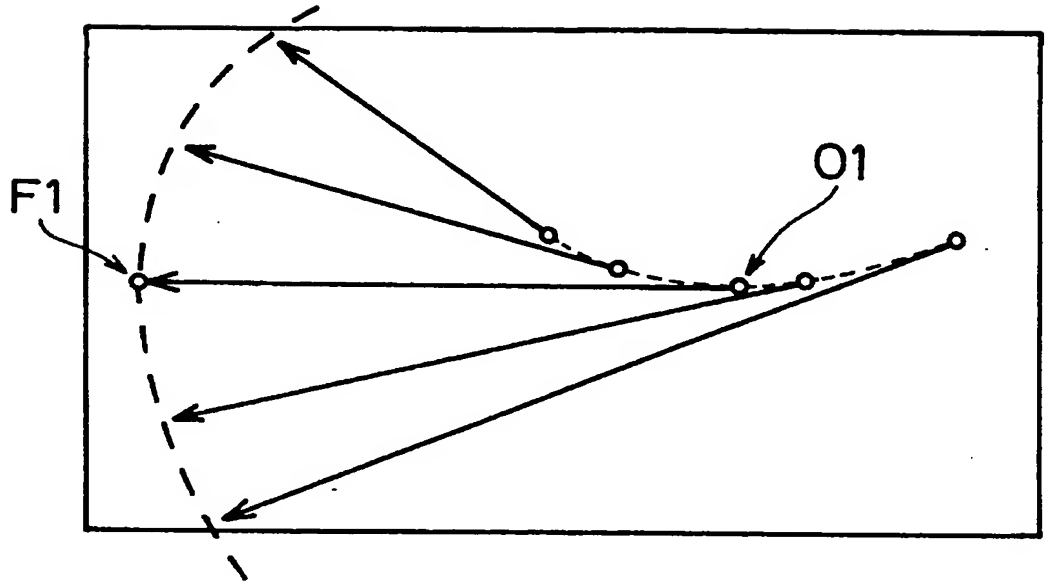


FIG. 63

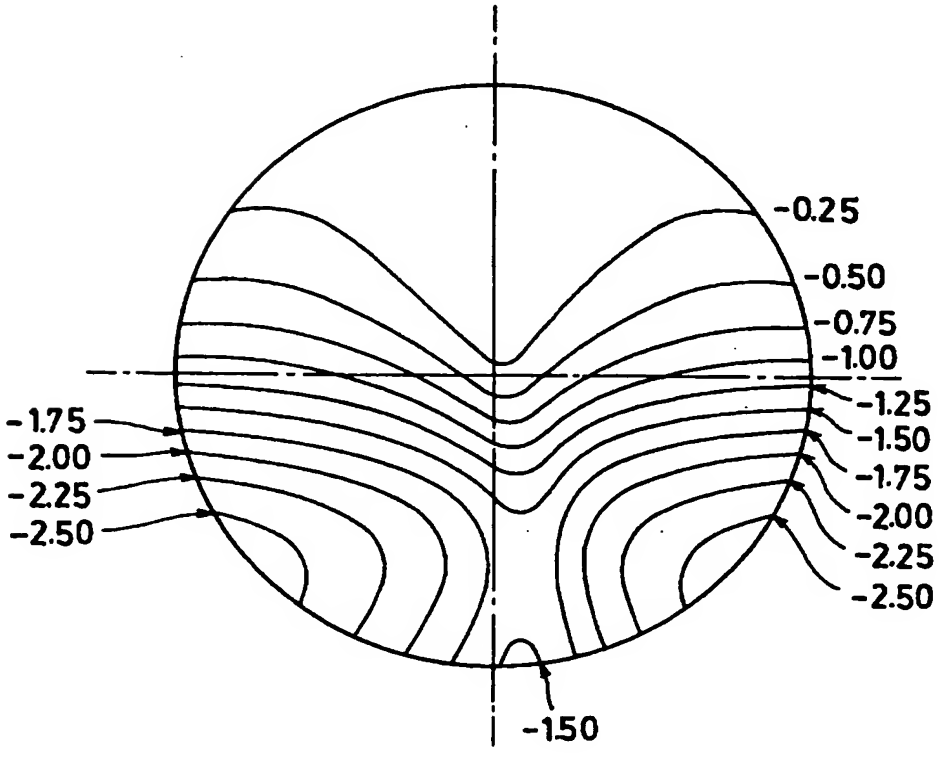


FIG. 64

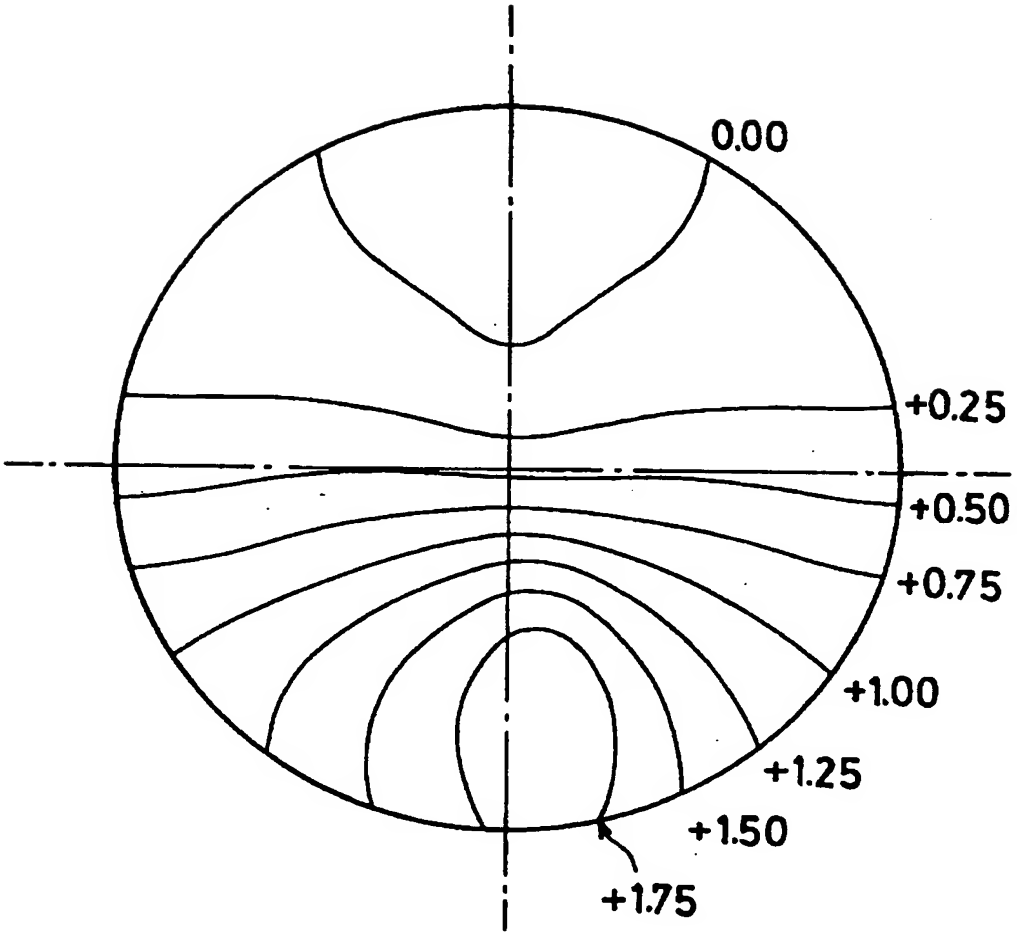


FIG. 65

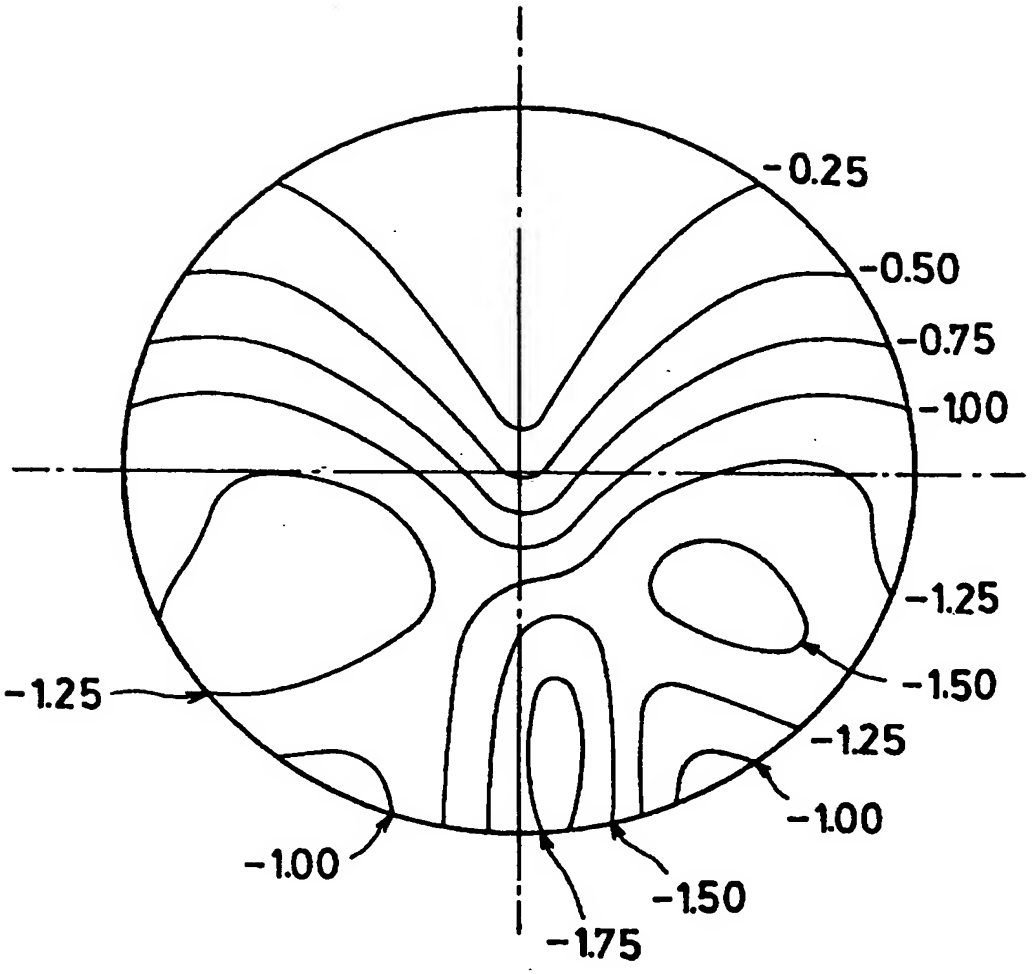
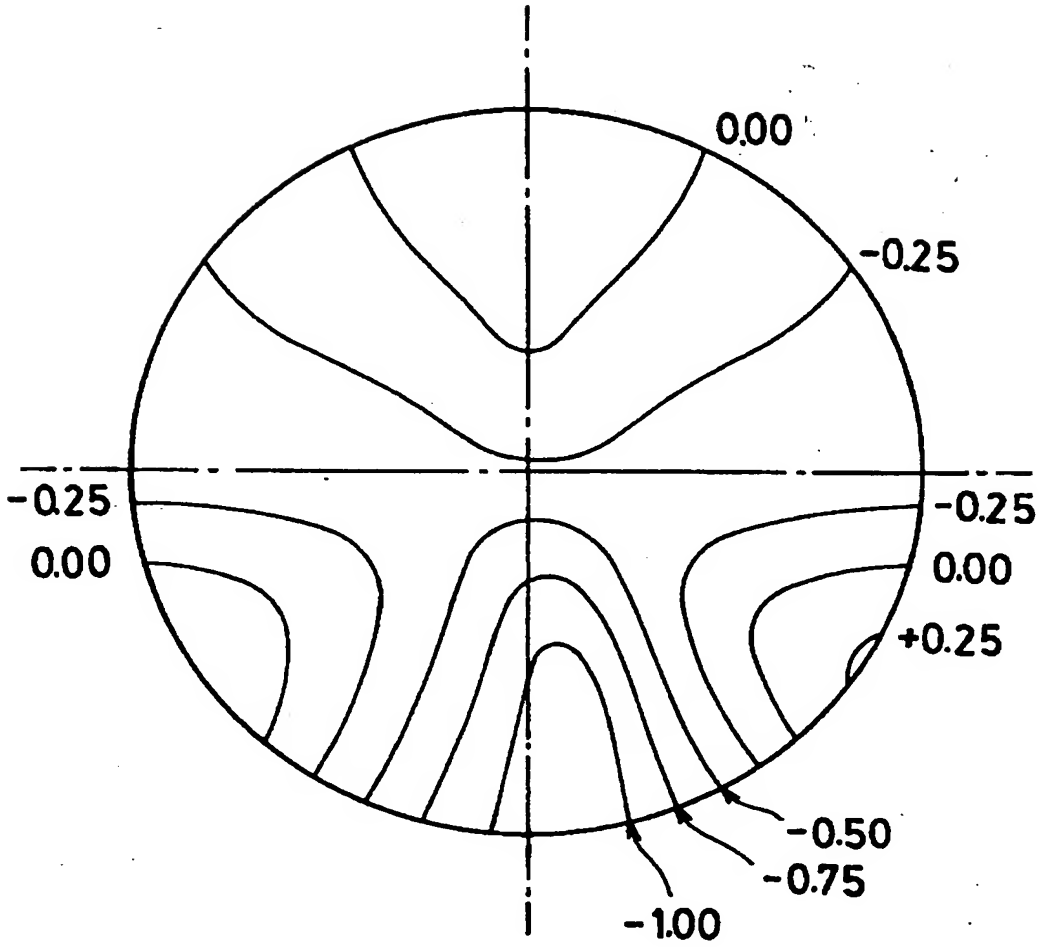



FIG. 66